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Report of Routine Chemical and Physical Analyses of

PUBLIC WATER SUPPLIES

in Massachusetts

1969

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
ROOM 320
600 WASHINGTON STREET
BOSTON, MASSACHUSETTS 02111

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH

DIVISION OF ENVIRONMENTAL HEALTH

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600 WASHINGTON STREET

BOSTON, MASSACHUSETTS 02111

This report presents average values of the chemical and physical analyses of water samples collected in 1969 from public water supply sources in the Commonwealth of Massachusetts. Analyses were performed by the Lawrence Experiment Station of the Department of Public Health as part of the Department's program of surveillance of public water supply quality.

The report is divided into two parts.

PART I Ground Water Analyses

PART II Surface Water Analyses

PART I

GROUND WATER ANALYSES

1969

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Abington	G. P. Well #2 - Walnut St.	3	33	6.2	20	67	0.8	.66		1.3	35	3
Abington-Rockland	G. P. Well # 1 & 2	11	27	6.6	20	56	1.9	.42		0.0	86.	3
Acton	G. P. Well #1 off Mass. Ave.	0	39	6.1	16	68	.01	.07		0.6	37.	3
	Conant G. P. Well- Tap in P.S.	0	0	6.1	8	31	.12	.19		0.0	32.	3
	Lawsbrook Road Gravel Packed Well	0	0	6.2	7	41	.01	.12		3.8	24.	2
	School St. Well	0	0	6.6	19	70	.03	.22		1.7	24.	1
Adams	Gravel Packed Well #1 - Tap in P.S.	0	3	7.6	106	110	.03	.01		0.3	3.5	3
	Gravel Packed Well #2 - Tap in P.S.	-	-	-	-	-	-	-		-	-	-
Amesbury	Raw Water, Tubular Wells at Powow Rv.	14	97	6.7	43	67	5.5	.21		0.0	14.	3
	Overflow of Settling Tank at Weir - Filtration Plant	1	7	7.4	61	67	.34	.17		0.0	22.	3
	Tap in Pumping Station-Filtered Water	0	3	7.3	58	65	.09	.03		0.0	22.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Amherst	Gravel Packed Well at Lawrence Swamp	0	0	6.2	19	32	.08	.02		0.0	3.0	1
	Gravel Developed Well at Law. Swamp	0	2	6.2	12	35	.04	.01		0.2	4.2	3
Andover	Abbott Gravel Packed Well, Tap in P.S.	0	3	8.3	57	31	.00	.01		1.0	27.	3
Ashland	G. P. Well #4 at Hopkinton Res.	0	20	6.4	4	20	.02	.38		0.0	18.	2
	G. P. Well #5 at Hopkinton Res.	1	18	6.2	6	20	.02	.38		0.0	18.	2
Athol	New South St. Gravel Packed Well	1	0	6.7	23	46	.10	.63		0.8	21.	3
Attleboro	Bank St; Gravel Packed Well Raw	4	28	6.3	18	35	1.1	.17		0.5	19.	3
	Bank St; Station - Finished Water	0	30	7.1	56	39	1.1	.11		0.5	23.	3
	Dug Wells and Filtered Water - before treatment in So. Attleboro	3	3	6.6	13	42	.01	.01		0.3	30.	3
	Gravel Packed Wells (before treatment in So. Attleboro	3	3	6.4	13	43	.11	.39		0.3	32.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
(Cont'd)												
Attleboro	Holden St; No. Well, before Treatment	10	70	6.2	17	33	1.7	.10		0.4	12.	3
	Holden St; So. Well, before Treatment	2	63	6.4	28	38	1.3	.12		0.2	12.	3
	Holden St; Combined Wells after Treatment	2	63	7.0	57	31	1.8	.17		0.1	18.	3
Auburn	Gravel Packed Well #1, Tap in P.S.	0	0	7.3	107	170	.05	.00		4.7	143.	3
	Gravel Packed Well #3, Tap in P.S.	1	2	6.6	41	148	.18	.01		3.0	84.	3
	Gravel Packed Well#4, Tap in P.S.	1	2	7.2	64	81	.02	.01		1.8	65.	3
Auburn Pakachoag Water Co.	Tap on Griggs Water System	0	2	6.2	33	80	.00	.01		4.5	25.	3
Avon	Gravel Packed Well # 1	0	2	6.2	20	85	.02	.01		4.4	81.	3
	Gravel Packed Well # 2	0	5	6.1	31	83	.09	.45		3.1	60.	3
	Gravel Packed Well # 3	0	5	6.3	20	88	.00	.02		5.6	72.	1
	Old Dug Well, Hydrant in P.S.	0	2	6.0	12	47	.07	.03		2.4	53.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Ayer	Gravel Packed Well #1 Tap at Well	6	25	7.0	67	77	1.1	1.3		0.1	26.	3
	Gravel Packed Well #2 Tap in P.S.	8	23	7.1	56	73	1.1	.91		0.4	24.	3
Ayer (Fort Devens)	Patton Gravel Packed Well	1	0	7.0	69	132	.03	.20		0.4	19.	2
	Old P.S. Grove Pond	1	3	6.9	38	71	.10	.14		0.5	29.	3
	McPherson Well	0	2	6.6	31	111	.01	.01		0.7	44.	3
	Shebokin Gravel Packed Well	1	10	7.2	71	91	.20	.12		0.0	6.5	3
Barnstable Water Co.	Gravel Packed Well, Tap in Mahar P.S.	0	4	6.2	8	19	.18	.06		0.7	14.	3
	G. P. Well, at Hyannisport, Tap in P.S	0	10	6.2	11	20	.00	.00		1.0	17.	1
	G. P. Well off Straightway-Tap in P.S.	0	0	5.7	5	15	.03	.03		1.3	11.	2
	G. P. Well, Mary Dunn P.S.	0	3	5.9	5	20	.32	.07		0.0	14.	3
Barnstable Fire Dist.	Tap in P.S. (Gravel packed well)	1	0	6.1	10	32	.12	.01		0.4	24.	2
	G.P. Well #2 - K	0	2	6.1	4	14	.10	.01		0.0	15.	3
	G.P. Well off Lumbert Mill Rd.	2	0	6.1	4	12	.05	.00		0.0	13.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Barnstable-Centerville Osterville Water Dist.	Tap in P.S. - G. P. Well Rt. 28	6	5	6.2	3	12	.13	.02		0.2	13.	1
	Tap in Main P.S. (McShane)	0	5	6.3	6	12	.01	.00		0.9	13.	1
	Tap in Auxiliary P.S. (Arena)	0	0	6.1	4	61	.00	.02		0.6	13.	1
	Craigville G. P. Wells - Tap in System	2	5	5.7	4	18	.04	.00		0.8	18.	1
Barre	New Well, Tap in Pumping Sta.	1	3	5.5	4	26	1.2	.07		1.1	13.	2
Barre Wool Combing Co.	Tap, Wells at Factory, Dug & Tub.	0	0	5.5	3	20	.00	.06		0.6	13.	3
	Tap, G. P. Well # 2	0	0	6.1	6	17	.01	.01		0.3	5.8	3
Bedford	Gravel P. W. #1-Page School	1	13	6.5	31	74	.08	.60		2.5	36.	3
	Gravel P. W.#3-Mitre Well Rt. 62	0	3	6.4	26	93	.02	.27		3.8	60.	3
	Gravel Packed Well # 4	0	0	6.4	10	40		.00			29.	1
	Gravel Packed Well # 5	0	0	6.4	12	40		.00			26.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
(Cont'd)												
Bedford	Gravel Packed Well # 4	0	0	6.4	10	40		.00			29.	1
	Gravel Packed Well # 5	0	0	6.4	12	40		.00			26.	1
	G. P. Well #6 - Old Dug Well	6	12	6.4	17	62	.38	.21		2.7	44.	3
	G. P. Well #7 - Middlesex Turn.	0	5	6.4	23	62	.01	.55		0.3	55.	3
	G. P. Well #8-Middlesex Turnpike	1	10	6.3	17	51	.10	.13		0.3	33.	3
Belchertown Water Dist.	Tubular Wells - Tap in P.S.	0	0	6.2	14	93	.01	.01		1.1	82.	3
Belchertown St. Sc. Supt.	Tubular Wells- before Treatment	1	10	6.3	20	61	.43	.16		0.1	28.	3
	Tubular Wells, after Treatment	1	10	7.5	62	59	.50	.15		0.1	27.	3
Bellingham	Gravel P.Well #1-Tap in P.S.	0	3	6.3	28	32.	.00	.03		0.5	9.3	3
	Gravel P. Well #2-Tap in P.S.	0	3	6.3	17	27	.09	.12		0.1	8.5	3
	New G.P.W. #3, Tap in P.S. off Wrentham Road	0	3	6.3	21	41	.01	.08		1.2	11.	3
	New G.P.W. #4, Tap in P.S. off Wrentham Rd.	0	3	6.4	28	32	.01	.02		0.8	11.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Bellingham	G. P. Well #5 - Taunton St	0	2	6.4	20	42	.00	.02		1.4	19.	2
Bernardston Fire Dist.	Dug Well - Tap in P.S.	6	8	6.8	10	25	.29	.01		0.1	3.3	3
	Gravel Developed Well-Tap in P.S.	5	8	6.7	7	19	.24	.01		0.2	3.0	2
Billerica House of Correction	Tap in Engineer's Office	1	10	6.2	19	75	.08	.02		5.3	43.	3
Blackstone	G. P. Well #1, Tap in P.S.	0	2	6.3	12	31	.00	.01		1.8	15.	3
	G. P. Well #2, Tap in P.S.	0	7	6.3	15	25	.03	.27		1.1	13.	3
	G. P. Well #3, Tap in P.S.	1	8	6.3	10	15	.24	.15		0.1	8.5	3
Bourne (Water Dist.)	New G.P.Well, Rt. 28, Tap in P.S.	2	11	6.1	5	24	0.5	.01		0.2	24.	3
	Gravel P. Wells, Tap in P.S.	0	3	6.3	10	17	.03	.01		0.1	4.8	2
	G. P. Well #3 - Town Forest	1	5	6.2	5	16	.02	.00		0.1	16.	1

Analysis of the Water of Public Water Supplies

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					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Bourne (Buzzards Bay Water Dist.)	Gravel Packed Well, Tap in P.S.	0	3	6.4	5	16	.04	.00		0.2	9.0	3
	Tubular Wells, Tap in P.S. & G.P.Well	0	2	6.3	4	15	.07	.01		0.1	0.0	3
	Gravel Walled Well off head of Bay Rd	0	2	6.2	5	15	.02	.01		0.4	10.	3
Bourne No. Sagamore Water Dist.	Tubular Wells, Tap	0	2	6.3	10	24	.03	.00		0.7	22.	3
	Gravel Walled Well, Tap	-	-	-	-	-	-	-		-	-	-
Bourne, So Sagamore Water Dist.	Tap in P. S. Tubular Wells	0	3	6.4	6	17	.01	.01		0.6	12.	3
Boylston Morningdale Water Dist.	Gravel Packed Well #1. Tap in P.S.	0	0	6.5	22	45	.00	.00		0.7	19.	2
	New Gravel P. W. #2, off Rt.70-140	1	5	6.3	14	32	.25	.01		1.1	15.	2
Boylston Water Dist.	Gravel Packed Well, Tap in P.S.	0	4	6.3	21	49	.02	.01		0.5	14.	3
Braintree Water Wks.	Gravel P. Well off Lakeside Ave	3	12	6.0	17	84	.36	.28		0.5	110.	3

Analysis of the Water of Public Water Supplies

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					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Braintree Norfolk County Hospital	Tap in P.S.	0	3	6.7	49	65	.07	.06		1.2	12.	3
Bridgewater (Water Dept.	Gravel P. Well #1, Tap in P.S.	0	3	6.4	17	31	.25	.40		0.2	15.	3
	Gravel P.Well #2 - Tap in P.S.	0	3	6.1	13	43	.09	.11		1.9	18.	3
	New G. P #3 Carver Pond	0	3	6.1	13	42	.19	.16		3.5	19.	3
Bridgewater (M.C.I.)	Flagg St. Wells, No. Group, Tap	0	0	6.3	13	30	.01	.01		0.6	11.	3
Burlington Water Dist.	Terrace Hall Well #1 Tap in P.S. Tubular Wells	2	6	6.3	67	153	.13	.75		0.5	138.	3
	G.P.W #5 Middlesex St. Tap in P.S.	0	3	6.7	35	95	.03	.41		0.2	94.	2
	Terrace Hall Well, G.P.#2 Tap in P.S.	0	3	6.2	16	79	.03	.27		1.0	81.	3
Burlington Water Dist.	G. P. W. #3, Middlesex St. Tap in P.S.	1	3	6.1	18	59	.05	.00		0.5	61.	2

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					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Burlington Water Dist.	G. P. Well #4, Middlesex St. Tap in P.S.	0	5	6.2	31	100	.01	.00		1.2	62.	1
Burlington	Well #6-Savoy Brook Rd.	0	10	6.5	17	74	.11	.27		0.5	80.	2
	G. P. Well #7 off Lexington Avenue	0	5	6.6	37	.74	:16	.00		0.4	46.	1
	Tub. Wells-Wyman St.	0	3	6.4	45	126	.02	.04		1.7	71.	3
Canton	Henry's Spring	0	8	6.1	17	49	.02	.02		2.8	49	2
	Gravel P. Well near Henry's Spring Tap	0	5	6.2	17	49	.02	.29		1.2	32.	2
	Springdale Well	0	10	6.2	17	45	.00	.03		2,3	42.	2
	G.P.Well #2, Tap in P.S. Dedham St.	150	10	6.6	56	76	3.6	1.0		0.5	14.	1
	Gravel Packed Well #3	42	60	6.8	62	70	4.5	.16		0.0	22.	1
	Gravel Packed Well #5	0	5	6.4	19	46	.00	.00		0.3	18.	1
	Gravel Packed Well #6	0	0	6.4	14	26	.00	.00		0.5	9.5	1
	Gravel Packed Well #7	0	5	6.5	17	60	.00	.00		0.1	20.	1

Analysis of the Water of Public Water Supplies

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					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Canton	Gravel Packed Well #4, Tap in P.S.	0	28	6.3	27	47	.01	.02		2.8	23.	2
Chatham	New Gravel Packed Well	0	3	5.9	7	19	13	.03		0.0	18.	3
	Old Gravel Packed Well	0	3	6.0	7	19	.04	.02		0.0	18.	3
Chelrsford, No.Chelmsford Fire Dist.	Gravel P.W. #1 at Bomil Fields	3	3	5.9	13	125	.15	.14		4.9	119.	3
No. Chelmsford Fire Dist.	G. P. Well #2 at Bomil Field	1	3	6.2	16	65	.01	.14		1.9	71.	3
Chelmsford	G.P. Well #3-Bomil Field	1	4	6.2	20	65	.05	.27		1.4	86.	3
Chelmsford Water Dist.	Turnpike Road G.P.Well	0	3	6.1	16	53	.02	.23		3.1	30.	3
	W. Chelmsford G.P.Well	0	1	6.2	15	63	.04	.05		2.2	45.	3
	Warren Ave G.P. Wells	1	15	6.1	18	56	44	.41		1.3	27.	3
	Mill Road G.P.Wells	1	3	6.1	18	54	.00	.09		2.1	28.	3
Cohasset	2 G.P. Wells-Sahler St. P.S.	2	5	6.5	33	66	.15	.01		1.3	44	3

Analysis of the Water of Public Water Supplies

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					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Colrain Kendall Co.	Deep Tubular Well at Criswoldville Tap in P.S.	0	0	6.9	66	84	.00	.03		0.9	12.	3
	Deep Tubular at Lyonsville	0	0	7.4	78	64	.00	.03		0.0	5.5	3
Colrain Griswold-ville Water Dist.	Gravel-Developed Well, Tap in P.S.	0	3	6.6	29	39	.00	.01		0.0	1.3	3
Concord Water Dist.	Tap in District	0	3	8.3	21	23	.05	.02		0.2	5.5	2
Concord Water Works	Gravel Packed Well, Tap in P.S.	0	3	8.5	41	22	.13	.02		0.2	11.	1
Concord	G.P.Well, Tap in P.S. Jennie Dugan Well	0	3	6.7	18	22	.06	.02		0.1	3.5	1
Danvers	Gravel Packed Well #1	0	10	6.9	85	133	.00	.16		1.1	39.	3
	Gravel Packed Well #2	1	23	7.6	78	100	.51	.77		0.2	32.	3
Dartmouth	G.P.Well #1-Tap in P.S.	0	2	6.4	14	33	.00	.36		0.6	12.	3
	G.P.Well #2, Tap in P.S.	1	2	6.4	9	35	.01	.01		0.3	13.	3

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					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Dartmouth	Gravel Packed Well #3	1	18	6.1	9	25	.03	.02		1.0	7.5	3
Dedham	Dug G.P. & Tubular Wells, Tap in Bridge St. P.S.	1	10	6.3	23	60	.35	.65		1.4	31.	3
	G.P.Well, Rt. 128, Whitelodge #1, #2, #3.	0	3	6.3	30	69	.00	.03		0.9	27.	3
	G.P.Well, at Dover Rd. P.S.	1	4	6.4	28	61	.16	.24		1.3	46.	2
Deerfield-Water Dist.	No. Springs from Col. Well	0	0	6.7	28	35	.01	.00	.02	0.0	6.8	3
	Harriss Spring or G.P.Well	0	0	6.7	18	37	.01	.00	.01	2.6	8.0	3
	Tap at Deerfield Academy	0	2	6.7	27	43	.04	.00	.00	1.8	8.7	3
Dennis-Water Dist.	Tap in P.S. G.P.Wells, Bass River Rd	-	---	-	-	-	-	-	-	-	-	-
	Tap in P.S. G. P. W. #1	-	-	-	-	-	-	-	-	-	-	-
Dighton-Pristol	Gravel Packed Well, Tap in P.S.	0	5	6.3	28	119	.00	.01		0.3	6.8	3

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					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Dighton-Water Dist.	Tubular Wells, Tap in P.S.	0	3	6.1	8	31	.02	.04		0.7	18.	3
Douglas	Tubular Wells, Tap in P.S.	0	2	6.3	24	41	.00	.01		1.5	16.	3
Dover Water Works, Inc.	Picardy Rd, Deep Well, Tap in P.S.	0	0	6.3	13	28	.01	.01		0.5	27.	3
Dover-Water Co.	Tubular Well, Tap on System	0	3	6.9	51	57	.10	.02		0.9	33.	3
Dover-Town Supply	Town Wells, Town Hall, Church St.	2	4	6.4	27	232	.17	.02		2.5	205.	4
Dracut	G.P.Wells.C Tyngsboro	0	2	6.5	20	36	.00	15.		0.9	23.	3
	New Boston G.P.Well	2	3	6.5	17	45	.00	.01		1.2	11.	3
Dudley	Tubular Wells-Tap in P.S.	0	3	6.5	16	27	.00	.07		0.5	7.8	3
	Gravel Packed Well #3,Tap in P.S.	0	0	6.1	14	43	.00	.01		1.8	27.	3
Dunstable	Dug Well, Tap in P.S.	2	7.5	6.5	27	50.	.19	1.12		0.7	20.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Dunstable	Tubular Well	0	3	6.5	18	44	.06	.44		0.8	29.	1
Duxbury	Tubular Wells, Tap in P.S.	0	2.5	6.6	7	19	.01	.02		0.5	17.	2
	G.P.Well -Partridge Rd.	5	7.5	6.4	8	29	.39	.06		1.1	24.	2
	New G. P. Well, Depot Street	0	0	6.1	7	47	.01	.10		0.7	39.	2
	New G.P.Well, Lake Shore Drive	0	3	6.1	6	21	.01	.05		1.4	16.	2
East Bridgewater	Pond St. Gravel Packed Well #1	0	5	6.1	11	31	.26	.15		0.6	12.	3
E. Chelmsford	E Chelmsford W.Dist. G.P.Well	1	22	6.6	46	97	.41	.31		0.1	43.	3
Eastham	Camp Ground Water Supply	2	0	6.1	16	42	.07	.40		1.4	35.	2
Easthampton	Tubular Wells, Tap in P.S.	0	0	7.8	49	69	.00	.02		0.7	8.5	3
	G.Developed Well, Hendricks St. Tap in P.S.	3	5	7.8	50	71	.25	.02		0.5	6.3	3
	New Gravel Packed Well #2	0	0	8.0	38	44	.00	.01		1.1	4.3	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Easton	G.P. Well, Tap in P.S. Well, Haskels Pit	0	3	5.6	9	25	.03	.01		1.6	17.	3
	G.P. Well # 3 Red Hill Rd, Tap in P.S.	0	2	6.1	25	25	.00	.01		0.4	11.	3
	Ames Gravel Walled Well, Tap in P,S,	0	2	5.9	19	38	.00	.02		3.3	37.	3
Edgartown	Dug & Tubular Wells, Tap in P.S.	-	-	-	-	-	-	-		-	-	-
	Shurtleff Station, New Gravel Packed Well Gasoline power	-	-	-	-	-	-	-		-	-	-
Fairhaven	Tubular Wells near Nasketucket River Tap in P.S. Mills Rd.	0	43	5.8	8	49	.09	.01		2.2	17.	3
	Tubualr Well near Mattapoisett River Tap in P.S.	2	13	5.8	14	30	1.9	.28		1.1	14.	3
Foxborough	P.S. #1 - G. P. Well #1	0	2	6.0	14	37	.03	.23		1.8	19.	3
	P.S. #1 - G. P. Well #2	0	8	6.2	23	34	.16	.33		1.6	16.	3
	P.S. No. 1 - G.P. Well #3	2	10	6.1	28	44	.25	1.6		0.2	12.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Foxborough	P.S. No. 2 - G. P. #1	0	3	5.8	7	28	.04	.01		0.4	19.	3
	P.S. No. 2 - G. P. Well #3	0	4	5.9	11	26	.03	.05		0.3	15.	3
	P.S. #3 - G. P. Well #1	0	3	6.1	15	37	.14	.01		2.1	17.	3
	P.S. # 3 - G. P. Well #2	0	2	6.1	12	27	.02	.01		0.4	14.	3
Framingham,Mass. Civil Defence Ag.	Gravel Packed Well, Tap in P.S.	1	2	6.4	27	97	.02	.02		2.0	86.	3
Framingham Water Dept.	Tap at Gravel Packed Well #1	1	3	6.6	55	97	.08	.48		0.1	25.	2
	Tap at Gravel Packed Well #2	-	-	-	-	-	-	-		-	-	-
	Tap at Gravel Packed Well #3	0	0	6.6	48	79	.01	.04		0.3	31.	2
Franklin	New G. P. Well near Norfolk Boundary	0	2	6.0	9	27	.04	.03		0.7	13.	3
	Combined Gravel P. Wells & Dug Well	1	3	6.2	19	31	.17	.15		0.3	11.	3
	Grove Street Well, Tap in P.S.	0	2	6.1	14	33	.00	.03		1.8	15	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Freetown	Wells, Tap in P.S.	2	13	7.2	86	118	.41	.50		0.1	20.	2
Gardner St. Hosp.	Tubular Wells, Tap in P.S.	0	2	6.2	4	26	.04	.09		0.1	7.7	3
Georgetown	Tubular Wells, Raw Water	2	5	6.3	17	44	.38	.02		0.1	11.	1
	Tap in P.S. High Lift Pumps	2	0	6.6	24	52	.19	.00		0.1	13.	1
	Metcalf Packed Well	2	2	6.3	16	27	.19	.03		0.2	7.7	3
	New Gravel Packed Well	0	3	6.6	37	76	.03	.07		0.3	13.	3
Gill- Mt. Hermon School	Tubular Wells-Tap mount Hermon	1	10	6.2	9	20	.19	.01		0.6	7.7	3
Gill - Riverside Water Co.	Tap, Spring	1	0	6.9	22	52	.09	.01		2.2	11.	3
Gosnold	New Well	1	0	6.3	13	21	.08	.01		0.5	26.	3
	Well After Treatment	1	0	8.8	63	18	.11	.01		0.5	27.	3
Grafton-Water Wks.	Dug Wells-Tap in P.S.	0	2	6.3	31	75	.00	.01		5.0	58.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 1969**

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Grafton	G. P. Well #3 at No. Grafton	2	15	6.3	26	63	.66	.49		0.6	36.	3
So. Grafton	G. P. Well #1, Tap in P.S.	0	0	5.8	5	36	.01	.01		2.0	24.	3
Granby	Deep Tubular Well, Tap in P.S.	0	0	7.2	69	105	.01	.02		1.4	6.0	3
Granville	Collecting Well & Springs from Tap	0	1	6.3	8	15	.06	.04		0.0	1.3	3
	Deep Tab. Well - Tap in P.S.	8	10	7.5	36	46	.50	.00		0.0	3.5	1
Greenfield Filter Plant	Mill Brook G. P. Well #1-Tap in P.S.	0	5	6.1	14	50	.06	.03		0.5	16.	3
	Mill Brook G.P.Well #3-Tap in P.S.	1	3	6.3	12	28	.03	.01		0.7	11.	2
Groton-Water Co/	G.P.Well, Shattuck Field, Tap in P.S.	0	37	6.2	24	59	.03	.27		0.5	18.	3
	Dug Well, Tap in P.S.	1	17	6.4	30	48	.56	.31		0.0	13.	3
	Storage Tank at the Groton School, on Pump	20	133	6.3	23	67	3.0	.14		0.4	20.	3
Groton-Water Commissioners	Tubular Wells, Tap in P.S.	5	8	6.3	23	40	.38	.95		1.6	11.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1969

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Groveland	Gravel Packed Well #1	1	3	6.0	42	66	.15	.03		0.4	11.	3
Halifax	G. P. Well #1	2	15	7.0	26	29	0.8	.47		0.0	11.	2
Hamilton	G.P. & Tubular Wells - Tap in P.S.	1	1	6.1	20	55	.03	.01		0.8	4.0	3
	School St. Well - Tap in P.S.	0	3	6.2	34	89	.02	.04		5.5	22.	3
	Patton G. P. Well, Tap in P.S.	1	4	6.5	40	77	.12	.22		0.1	20.	3
	Pleasant Pond- Caisson Well	1	3	7.0	91	141	.12	.06		0.4	15.	3
Hanover	G.Walled Well, #1 Hanover St. Tap in P.S.	0	2	5.9	13	66	.01	.01		1.6	42.	3
	Gravel Wall Well on Hanover St. # 2	0	22	5.8	12	65	.04	.02		0.6	20.	3
	Tindale G.P. Well #1	6	9	6.1	22	44	29	.11		0.2	18.	3
	Tindale G. P. Well #2	2	12	5.9	14	70	1.1	.77		0.5	35.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Hanover	8" Test Well, Pond St. Tap on Pump	1	95	5.9	16	56	.98	1.1		0.7	48.	3
	First House on System Below Hanover St.	0	24	5.9	16	123	.04	.01		1.1	24.	3
Hardwick-Gilvertville Water Dist.	G. P. Well - New Braintree	0	2	6.9	13	19	.05	.00		0.0	2.2	3
Hardwick-Water Users Assoc.	Tubular Well, from Tap	0	2	7.8	54	110	.02	.01		2.8	24.	3
Hardwick-Whellwright Water Dist.	Tap in P.S. Tubular Wells	0	0	6.2	11	25	.01	.01		0.2	3.0	2
Harwich	Gravel P. W. Tap in old P.S.	0	2	6.3	7	19	.05	.01		0.2	16.	3
	New Gravel P.Well, Tap in P.S. #1	0	0	6.5	10	21	.01	22		0.0	15.	3
	New G. P. Well - Tap in P.S.	0	0	6.2	7	19	.01	.01		0.3	14.	3
	New G.P.Well-Tap in P.S. #3	0	0	6.0	5	19	.03	.01		0.1	17.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Harvard	Tubular Wells, Tap in Dist.	0	3	6.2	14	40	.01	.01		1.9	16.	3
	New Drilled Well	1	2	6.8	53	78	.00	.02		0.9	34.	3
Hingham	Free St. Well #2 -Tap in P.S.	0	10	6.6	63	154	.07	2.4		0.0	21.	1
	Underground Collecting System	1	5	6.6	27	46	.26	.08		0.3	26.	1
	Free St. Well #1, Tap in P.S.	0	0	6.4	57	114	.01	.02		0.8	21.	1
	Gravel P.Well off Scotland St.	0	0	6.3	26	68	.01	.02		1.3	15.	1
Holden	Well, Spring St. Gravel Packed	1	0	6.6	10	20	.01	.01		0.2	7.5	2
	Gravel P. Wells, Tap in P.S.	0	0	6.5	9	20	.00	.01		0.5	14.	2
Holliston	G. P. Well #1, Tap in P.S.	0	5	6.5	26	40	.16	.35		0.5	12.	2
	G.P.Well #2-Tap in P.S.	3	8	6.2	17	51	.56	.00		1.1	39.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Hollis+on	Gravel P.Well #3-Tap in P.S.	7	10	6.3	31	45	.50	.03		0.0	11.	2
	Gravel P.Well #4- Tap in P.S.	1	5	6.1	18	44	.04	.04		0.0	11.	2
Holyoke	Graund-Driven Wells at Wolchan Site off Rte 202	0	0	6.7	32	35	.03	.00		0.0	2.7	3
Hopedale	Tubular Wells, Tap in P.S.	0	8	7.2	77	39	.23	.07		1.1	12.	3
	Gravel P. Well near Mill River	0	15	6.8	59	24	.84	.70		0.1	18.	3
Hopkinton	G. P. Well #2-Fruit St. Station	2	0	6.4	18	50	.07	.00		1.1	26.	2
Hudson	Tubular Wells-Tap in P.S.	-	-	-	-	-	-	-		-	-	-
	Rinkus Rd. Gravel P. Well, Tap in P.S.	3	10	6.2	32	82	2.1	.68		1.5	35.	1
	Crystal Spring	0	0	6.0	10	29	.01	.00		0.4	17.	3
	Kane Well	5	2	6.1	14	39	.11	.01		3.0	17.	3
Ipswich	Tap in Mile Lane P.S.-G.P. Well	6	25	7.9	85	103	.90	.61		0.2	27.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Ipswich	Brown G. P. Well, Rt. 1A-Tap in P.S.	4	29	7.6	91	117	.77	.33		0.1	29.	3
	Tap in Town	2	10	7.4	83	114	.30	.41		0.2	22.	3
	Winthrop G. P. Wells, Tap at Pumping Sta	1	8	7.1	64	90	.04	.01		0.1	22.	2
	Winthrop G. Developed Well, Tap at P.S.	3	20	7.0	57	79	.67	.31		0.2	23.	3
Kingston	Gravel P. Well #1-Soule Pond-Tap in P.S.	0	2	6.5	14	19	.02	.11	.00	0.2	17.	3
	Gravel P.Well #2, Tap in P. S. So. St.	0	0	6.5	14	17	.00	.04	.00	0.2	16.	3
	Gravel P. Well, Winthrop St.	0	2	6.4	9	21	.01	.04	.00	0.4	31.	3
Lakeville-Hospital	Tap in Admin.-Bldg. Unfiltered Water	0	5	6.8	46	67	.30	.01		1.0	5.5	3
	Gravel Packed Well	1	2	6.1	14	37	.14	.00		1.0	7.5	3
Lancaster	Gravel Packed Well, Tap in P.S.	0	0	6.6	23	33	.00	.00		0.7	5.7	3
Lancaster-Tap in Town	Tap in Town	0	2	6.6	24	32	.01	.00		0.7	5.0	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Lancaster	Ind School for Girls-Lancaster Supply	1	0	6.7	26	30	.07	.01		0.7	4.0	2
Lanesborough	G.P. Wells-Tap in P.S. #2	0	2	7.4	179	201	.00	.01		0.8	19.	3
Leicester-Water Supply Dist.	Well #1-Tap in P.S.	0	0	6.5	22	60	.02	.00		3.0	16.	1
Leicester Water Supply Dist.	Well #2-Tap in P.S.	0	0	7.0	55	74	.00	.02		0.9	13.	1
Leicester	Jim Dandy Well	0	0	6.6	13	30	.01	.00		1.7	11.	2
	Well #3, Tap in P.S.	0	0	7.5	65	82	.00	.00		0.5	14.	2
Leicester-Hillcrest Water Dist.	Deep Well - Tap in P.S.	0	0	7.5	85	119	.00	.01		0.0	18.	2
Lincoln	Tower Rd. Gravel P.Well-Tap in P.S.	2	4	6.4	23	64	.13	.02		0.5	26.	4
Littleton	Tubular Wells, Tap in P.S.	0	0	6.6	19	57	.03	.03		1.6	11.	

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Lancaster	Ind School for Girls-Lancaster Supply	1	0	6.7	26	30	.07	.01		0.7	4.0	2
Lanesborough	G.P. Wells-Tap in P.S. #2	0	2	7.4	179	201	.00	.01		0.8	19.	3
Leicester-Water Supply Dist.	Well #1-Tap in P.S.	0	0	6.5	22	60	.02	.00		3.0	16.	1
Leicester Water Supply Dist.	Well #2-Tap in P.S.	0	0	7.0	55	74	.00	.02		0.9	13.	1
Leicester	Jim Dandy Well	0	0	6.6	13	30	.01	.00		1.7	11.	2
	Well #3, Tap in P.S.	0	0	7.5	65	82	.00	.00		0.5	14.	2
Leicester-Hillcrest Water Dist.	Deep Well - Tap in P.S.	0	0	7.5	85	119	.00	.01		0.0	18.	2
Lincoln	Tower Rd. Gravel P.Well-Tap in P.S.	2	4	6.4	23	64	.13	.02		0.5	26.	4
Littleton	Tubular Wells, Tap in P.S.	0	0	6.6	19	57	.02	.01		3.6	21.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Lowell-Water Dept.	Black Brook G.P. Wells-Tap on Main	1	10	6.5	14	95	.11	.35		1.6	146	2
	Lower Black Brook G.Packed Well	1	8	6.7	15	95	.07	.31		1.6	139	2
Lowell Gen. Hosp.	Deep Tubular Well, Tap in Hospital	0	0	7.3	60	104	.02	.01		2.3	23.	2
Lunenburg	G.P. Well #1	0	3	6.2	18	57	.00	.01		0.9	30.	3
	G.P.Well #2	0	3	6.5	19	37	.01	.01		0.2	12.	3
	Tap in Town Hall	0	3	6.3	17	44	.02	.01		0.3	18	3
	G.P.Well off Lancaster Ave, Tap in P.S.	1	6	6.0	23	48	.05	.02		0.1	20.	3
Lynnfield	Tap in P.S. Phillips Rd.	0	13	6.7	96	110	.01	.01		3.8	31.	2
	Gravel P. Well #1, Tap in P.S.	0	0	6.6	24	62	.00	.01		1.9	34.	2
Manchester	New G.P. Well #1 near Main St.	0	3	6.5	22	88	.01	.05		0.7	41	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Mansfield	G.P. Well #1 near Main P.S. Tap in P.S	0	0	6.5	7	23	.02	.01		0.2	10.	2
	G.P.Well #2, West Mansfield	0	3	6.4	13	32	.02	.46		0.4	22.	2
	G.P. Well #3, West Mansfield	0	3	6.6	12	33	.01	.01		1.1	15.	2
Marion	Old Tubular Wells-Tap in P.S. #1	1	0	6.1	11	67	.02	.01		0.5	8.8	3
	G.P. Well #1, Tap in Rochester	1	8	5.9	11	38	13	.09		0.4	16.	3
	G. P. Well #2, Tap in P.S.	1	12	5.9	6	19	.11	.02		0.4	15.	3
	Tubular Wells off Mary's Pond Road	1	5	6.4	15	33	.17	.01		0.1	9.8	3
Marshfield	Tubular Wells, Tap in P.S.	1	4	6.5	9	21	.07	.04		0.3	29.	3
	Upper G.P. Well at Furnace Brook	1	0	6.4	8	33	.07	.06		0.4	42.	3
	Lower G.P.Well at Furnace Brook	1	3	6.5	16	38	.01	.04		0.7	31.	2
	G.P.Well, Main & Ferry Sts, Tap in P.S	1	0	6.3	9	23	.04	.03		0.3	27.	3
	G.P. Well near Wheeler Pit	0	0	6.3	11	18	.03	.03		0.9	14.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Mashpee	G.P.W. at Seabury Development, Tap in P.S.	0	2	6.2	7	14	.00	.00		0.1	14.	3
Massaroisett	New G.P.Well, Tap in P.S. #3	0	3	6.3	8	21	.01	.00		0.2	9.3	3
	Tubular Wells, Tap in P.S. #2	2	7	6.4	18	24	.09	.01		0.2	11.	3
Medway	Gravel Packed Well, Tap in P.S.	0	0	6.6	24	45	.01	.00		0.8	17.	3
	G. P. Well, Tap in Oakdale P.S.	1	8	6.1	13	29	.21	.07		1.3	11.	3
Merrimac	Tubular Wells, Tap in P.S.	4	25	6.3	19	43	.79	.53		0.2	15.	3
Middleborough	Dug Well - Raw Water	7	20	6.5	21	46	.40	.17		1.1	70.	3
	Final Effluent of Sand Filters	1	3	6.8	21	43	.04	.00		1.2	39.	3
	Outlet of Coke Filter	2	7	6.9	21	46	.15	.08		1.2	42.	3
	Rock Village Sta. G.P.Well #1	0	0	6.7	12	26	.00	.00		0.7	26.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1969

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Middleborough	G.P. Well, E. Main St, Tap in P.S.	4	5	6.2	16	35	.10	.09		1.1	12.	3
Milford	Dilla Street, Well	1	12	6.3	31	31	2.1	.51		0.1	11.	3
Millbury	Dug Wells, Tap in P.S.	0	2	6.0	13	30	.03	.09		0.6	28.	3
	Dority Pond. G.P.W. Tap in P.S.	0	0	6.0	14	84	.00	.31		1.6	110.	3
	Gravel Packed Well, Oak Pond	0	0	6.1	16	83	.00	.29		1.6	107.	3
	Jackques Curve Well #1	0	0	5.9	24	80	.03	.14		1.8	62.	1
	Jacques Curve Well #2	0	5	6.7	27	60	.00	.24		1.3	67.	2
Millis	Gravel Packed Well #1	1	8	7.0	33	73	.03	.02		2.3	28.	2
	Gravel Packed Well #2	1	23	6.5	33	81	.01	.06		1.6	34.	2
Monson-Water Dept.	Gravel Packed Well, Tap	0	2	6.5	17	35	.00	.01		0.9	15.	3
	Gravel P. Well off Palmer Rd.	0	2	6.3	20	33	.00	.01		0.7	15.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Monson State Hosp.	Tubular Wells-Before Treatment	0	2	6.3	22	32	.02	.00		0.4	13.	3
	Tubular Wells-After Treatment	0	0	6.3	22	57	.01	.01		0.5	10.	3
Montague Board of Health	Gravel P. Well off Central St.	0	3	6.9	52	64	.05	.24		0.0	4.8	2
Montague	Springs Tap	0	2	6.6	20	39	.05	.00		0.3	8.3	3
Natick	Dug Well, Tap in P.S.	0	8	6.8	54	82	.00	.49		0.5	37.	3
	G.P.Wells at Worcester St.	3	5	7.0	55	87	.23	.21		0.8	57.	3
	G. Walled Well at Morses Pond Bacon St.	0	2	6.4	27	103	.00	.11		1.5	105.	3
	Well #1, Pine Oak Station	0	2	6.5	50	100	.00	.08		0.9	40.	3
	Well #2, Pine Oak Station	0	5	6.7	59	167	.09	.13		0.1	46.	2
Nantucke-Wannacommet Water Co.	Wyers Valley Wells, Tap in P.S.	0	3	6.8	14	23	.01	.00		0.3	22.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Nantucket Siasconset	Dug Wells, Tap in P.S.	0	5	6.4	21	32	.10	.00		0.9	19.	3
	New Gravel Packed Well	0	0	6.4	25	37	.04	.01		0.9	19.	3
Needham	Dug Wells, Tap in P.S. Dedham Ave.	0	2	6.1	15	74	.03	.00		3.2	46.	3
	G.P.Well #1, Charles River St.Tap in P.S.	0	3	6.9	64	83	.01	.00		0.5	24.	2
	G. P. Well #2, Tap in P.S.	0	0	6.6	47	69	.01	.00		2.3	29.	3
New Braintree	Drilled Wells at Pioner Valley Academy	3	5	7.1	51	51	.17	.00		0.0	3.3	2
New-Byfield Water Dist.	Tubular Wells, Tap in P.S.	2	25	7.1	114	122	.37	0.6		0.0	17.	2
New-bury, Byfield	Tap in Rear End of Dist. System	0	2	7.1	66	99	.00	.00		0.2	15.	3
Newburyport	Old G.P.W. #1, Tap in P.S. Ferry Rd.	0	7	6.6	11	43	.02	.08	0.0	3.0	52.	3
	New Gravel P. W. #2-Ferry Rd.	0	3	7.0	25	58	.00	.00	.00	1.1	14.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
New Marlborough Mill River Water Co.	Spring-Tap on System	0	6	7.6	149	158	.04	.00		0.2	7.5	3
Norfolk (Walpole) Pondville St. Hosp.	Tap in Domestic P.S.	0	3	6.4	24	65	.03	.00		0.6	43.	3
	Basin near P.S. at Spillway	3	33	6.9	24	83	0.5	.00		0.4	71.	3
Norfolk M.C.I.	New G.P.Well Before Treatment	5	18	7.1	50	91	1.2	.07		0.2	9.2	3
	Tubular Wells and Dug Well, Tap in P.S	0	5	6.9	43	70	.04	.03		0.3	8.0	3
	After Treatment	0	2	7.8	63	94	.00	.03		0.2	11.	3
North Adams	New Gravel Packed Well	2	13	8.2	73	75	.02	.00		0.2	2.3	3
North Attleborough	Dug Wells, Tap in P,S.	0	7	6.7	36	43	.08	.08		0.6	19.	3
No. Attleborough	Caisson Well #1	0	10	5.8	14	38	.31	.02		1.1	38.	3
	Caisson Well #2	0	2	6.9	13	41	.01	.00		1.4	22.	3
	Caisson Well #3	0	0	6.0	17	49	.05	.00		1.0	17.	3

Averages of Chemical Analyses of Ground Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
No. Attleboro-Brady Water Co.	Gravel Packed Well	0	0	6.1	5	23	.01	.00	.00	0.9	4.3	2
Northampton	Gravel Packed Well #1	0	1	6.9	27	35	.01	.00		1.3	8.9	3
	Gravel Packed Well #2	0	3	7.4	17	30	.02	.00		1.2	9.0	1
Northborough	Brigham St. Gravel P.W. Tap in P.S.	0	3	6.5	28	55	.16	.08		2.8	11.	3
	Lyman St. New Gravel Packed Well	0	3	6.5	26	44	.23	.16		0.3	12.	3
Northbridge	Tubular Wells at Meadow Pond, Tap in P.S.	1	3	6.5	22	27	.24	.17		0.5	14.	3
	Tubular Wells at Cook Allen Res. Tap in P.S.	0	2	6.2	8	13	.02	.04		0.1	3.5	3
North Reading Rehabilitation Ctr.	Tubular Wells, Tap in P.S.	6	13	6.1	18	52	.29	.04		0.8	15.	2
No. Reading Water Dept.	Gravel P.W. & Tub. Well-Skug R.	0	11	6.2	14	35	.10	.12		0.7	20.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Norton	Gravel P. Well #2, Tap in Pine St.	2	23	6.1	10	20	.32	.05		0.1	5.7	3
	Plain Street Well #4	1	4	6.1	17	47	.03	.06		0.4	8.7	3
	G.P. Well #3, Tap in P.S. Newland	0	3	6.0	7	16	.04	.01		0.2	11.	3
Norwell	G. P. Well, Tap in P.S. So. St.	1	5	6.0	12	89	.11	.01		0.2	104.	3
	Gravel Developed Well #2 Grove St.	0	3	6.2	15	30	.02	.01		0.6	11.	3
No. Reading Water Dept.	G.P.Well #1, at Martin's Pond	1	28	6.3	25	56	1.6	.48		0.4	36.	2
	Gravel P.Well #2, at Martin's Pond	1	25	7.3	32	52	1.8	.46		0.4	42.	1
	Gravel P.Well at Furbush Pond	8	15	6.3	20	61	0.6	.19		0.1	29.	2
Norton	Gravel P. W. #1, Tap in P.S. Pine St.	0	5	6.3	14	24	.01	.11		0.3	10.	3
Norwell	Gravel Developed Well #3 Grove St.	0	0	6.6	15	22	.00	.01		0.5	11.	3
	Gravel Dev. Well #5-Grove St.	0	0	6.2	22	28	.01	.01		0.8	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Norwell	Gravel Del. Well #4-Ridge Rd.	0	3	6.0	14	55	.02	.02		3.4	33.	3
Norwood Water Dept.	Gravel Packed Well #1- Tap in P.S.	3	7	6.9	37	133	.42	.07		1.7	100.	3
	Gravel Packed Well #2-Tap in P.S.	4	3	6.4	24	145	0.4	.03		1.7	120.	3
	Raw Water, Ellis Pl. Entrance to Filters	4	6	6.5	32	90	1.3	.16		0.7	74.	3
Norwood Water Dept.	Final Effluent of Sand Filters	2	12	7.0	18	59	.40	.09		0.5	31.	3
Norwood	Puckmaster Pond-G.P.Well	4	15	6.4	10	34	.12	.03		0.2	48.	3
	Tap on System	1	12	6.5	7	19	.22	.01		0.2	8.9	3
Orange	Crystal Spring	1	22	6.5	7	25	.09	.00		0.4	14.	3
	Gravel P. Wellat Magees Meadow	0	3	5.9	10	34	.04	.02		0.4	33.	3
	Tap 16 W. Myrtle St.	0	2	5.8	11	36	.02	.03		1.1	22.	3
Orleans	Gravel P. Well #1, Tap in P.S.	1	3	6.3	6	16	.08	.01		0.0	18.	3
	Gravel P. Well #2, Tap in P.S.	1	0	6.4	8	14	.02	.01		0.0	18.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Orleans	Gravel P. Well #3, Tap in P.S.	4	7	6.3	8	13	0.4	.01		0.0	19.	3
	Tap in Town Hall	0	2	6.2	8	14	.01	.01		0.0	18.	3
Oxford	Gravel Packed Well #1	0	0	6.0	17	45	.00	.00		0.5	21.	2
	Gravel Packed Well #2	0	3	6.1	17	42	.00	.00		0.5	21.	2
	Partridge Rd. Gravel Packed Well	0	0	6.8	22	21	.01	.00		0.5	17.	2
Palmer Fire Dist. #1	Tubular Wells, Tap in P.S.	0	3	6.7	21	33	.00	.00		0.4	6.3	3
Palmer-Bondsville Water Co.	Tubular Wells, From Tap	0	5	6.3	17	31	0.5	.00		0.6	5.3	3
Palmer- 3 Rivers Fire Dist.	Tubular Wells, Tap in P.S.	1	3	6.8	23	35	.11	.03		1.2	8.9	3
	G.P.Wells off Oak St, Tap in P.S.	0	4	6.7	19	39	.01	.17		1.6	7.0	3
Peabody	West Peabody Pine St. Well Tap	0	5	6.4	44	80	.01	.13		0.8	37.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 1969**

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Peabody	W. Peabody-Johnson St. Well, Tap in P.S.	0	15	6.7	56	99	0.3	.57		0.4	34.	3
Perbroke	Gravel Packed Well #1, Tap in P.S.	4	7	6.3	11	23	0.4	.05		1.0	12.	3
	New Gravel P.Well #2, Tap in P.S.	0	3	6.4	10	22	.15	.03		1.1	20.	3
Perrerell	Tubular Wells, Tap in P.S.	0	5	6.3	12	23	.04	.01		0.1	4.8	3
Plainville	G.P.Well, off Route 106	0	3	6.1	8	24	.04	.15		0.7	28.	3
	G.P. Well #2 off George Street	0	7	7.1	17	21	.13	.11		0.2	28.	3
Plymouth-Water Works	Gravel Packed Well, Manomet, Tap in P.S.	1	2	6.4	6	12	.04	.03		0.3	13.	3
	New Gravel Packed Well-Lout Pond	3	7	6.3	7	13	.28	.02		0.2	8.3	3
PlymouthAgua Water Corp.	6" Tub Well & 2" Driven Well, Tap in P.S,	0	3	6.5	8	15	.06	.17		0.4	18.	3
	Lookout Point, Tap at P.S.	0	3	6.6	7	14	.01	.01		0.1	8.0	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Plymouth Nameloc Ht.	Tubular Well, Tap on System	0	3	6.6	10	13	.03	.01		0.2	11.	3
Plymouth M.C.I. Plymouth Forestry Camp	Plymouth Wells at M. C. I.	2	5	5.4	3	21	.25	.00		0.4	12.	3
Provincetown	5 G.P.W. No. Truro, Tap in P.S.	0	0	6.3	8	45	.03	.15		0.5	96.	3
	3 G.P.W. - So. Hollow Sta; No. Truro	0	2	6.4	7	27	.03	.04		0.2	44.	3
Rayham-Center Water Dist.	Tap in Dist. (Caisson Well)	1	10	6.3	9	19	.29	0.5		0.5	11.	3
	Caisson Well #2 off Elm Street	1	3	5.9	9	41	.09	.02		1.0	13.	3
Rayham-No. Raynham Water Dist/	Tubular Wells	0	4	6.1	10	19	.08	.02		0.4	7.5	3
	Caisson Well	0	3	6.1	10	40	.08	.01		4.3	34.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Reading	Pumping Sta; #1, 100 Acre Md. Raw Water	2	37	6.2	25	63	0.4	0.8		0.3	40.	3
	Effluent of Aerator	42	153	6.4	26	66	16.	0.6		0.1	49.	3
	Effluent, Sedimentation Basin	1	33	8.4	69	60	2.9	.02		0.1	107.	3
	Effluent, of Sand Filters	0	22	8.4	58	49	.05	.02		0.5	78.	3
	Revay Meadow, G.P.W. #1	1	28	6.6	33	113	.24	1.3		1.7	138.	3
	Revay Meadow, G.P.W. #2	-	--	-	-	-	-	-		-	-	-
Rockport	Tubular Wells, Raw Water Tap	0	10	6.0	10	25	.06	.21		0.5	15.	3
	Tubular Wells, Treated Water Tap	1	12	8.2	25	63	.07	.21		0.5	26.	3
Royalston-So. Royalston Imp. Assoc. Inc.	Tap in P.S.	6	11	7.0	49	61	1.5	.40		0.1	8.0	2
Rowley	Tubular Wells, Tap in P.S.	1	5	7.2	89	136	.09	.01		0.7	37.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Rowley	New G. P. Well, Tap in P.S. at Rts 17 & 133	2	3	6.6	33	71	.23	.02		1.0	57.	3
Russell	Gravel P. W. #2, Tap near Rt. 20	8	15	6.7	38	50	.25	.01		0.6	7.0	3
Rutland	Tap on Syster (summer only) 5/15-10/15)	0	0	7.8	64	57	.03	.00		0.7	1.5	2
Salisbury	Tap in P.S. No. Dug Well or Gravel P.W. #1 (Which designate)	13	15	6.0	51	130	.40	.22		0.1	35.	1
	Gravel P. Well #5, Tap in P.S.	1	5	5.9	18	86	.07	.00		0.2	21.	1
	Gravel P. Well #6, Tap in P. S.	0	0	6.2	27	71	.00	.01		0.6	69.	3
Sandwich	Gravel Packed Wells, Tap in P.S.	0	3	6.2	14	31	.04	.01		0.1	18.	3
Scituate	Kent St. Well, Tap in P.S. (summer only)	-	-	-	-	-	-	-		-	-	-
Seekonk	Driven Wells, Tap in P.S. Brown Ave.	0	3	6.8	39	84.	.02	.03		1.6	15.	3
	Gravel P. Well, Tap in P.S. Newman Ave.	0	2	6.8	41	61	.02	.23		1.2	20.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year** 1969

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Sharon	Tubular Wells & G.P.W. at P.S. #2 Tap	1	5	6.4	31	46	0.6	.25		1.2	18.	3
	Gravel P. Well, Tap in P.S. #3	2	5	6.7	31	52	.17	.41		1.5	18	2
	G.P.Well #4, off Tree Lane, Tap in P.S.	0	3	6.7	42	72	.01	.01		5.8	35.	2
Sheffield	Farm House Spring, Direct	1	0	6.7	20	26	.01	.00		0.2	2.0	2
	Red Rock Spring, Direct	0	0	6.4	14	21	.01	.00		0.1	1.8	2
	Smith Spring, Direct	0	3	6.4	17	24	.01	.00		0.2	1.8	2
	Gravel P. Well off Rt 7 (when used)	1	0	7.4	132	128	.02	.00		0.1	1.3	2
Shirley-Shirley Village Water Dist.	Dug Wells, Tap near Pump	0	5	5.6	3	36	.01	.01		1.5	26.	3
	Gravel Packed Well, Tap in P.S.	0	3	6.3	14	36	.01	.01		0.4	18.	3
Shirley Industrial School for Boys	New Tubular Wells, Tap in P.S.	28	28	7.1	62	72	1.9	0.6		0.0	19.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Shrewsbury	So. Street Wells, Tap in P.S.	0	3	6.3	22	37	.09	.10		0.7	20.	3
	Oak Street Wells, Tap in P.S.	12	15	7.0	23	42	.42	.40		0.0	28.	1
	Sewell St. G. P.W. Tap in P.S.	0	2	6.6	20	48	.00	.01		0.6	18.	3
	No. Quinsigamond Ave, G.P.Well #1	0	2	6.4	27	73	.00	.01		1.2	29.	3
	No. Quinsigamond Ave. G.P.Well #2	0	2	6.4	25	73	.00	.01		1.1	29.	3
Somerset	G. P. Well #2, Brook St. Tap in P.S.	0	0	7.4	13	35	.03	.01		0.8	7.8	3
Southfield	Spring, Tap on System	0	3	7.1	17	26	.01	.00		0.0	1.7	3
Sterling	Tubular Wells, Tap in P.S.	0	2	6.3	20	63.	.01	.00		0.4	25.	3
	New Gravel Packed Well	0	7	6.2	23	89	.01	.00		1.8	51.	3
Stockbridge Hill Water Co.	Spring, Tap in Town	0	2	7.0	43	51	.02	.01		0.1	2.7	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Sunderland	Tubular Wells, Tap in P.S.	2	7	7.8	48	60	.15	.02		0.0	9.5	1
Sutton-Water Co.	Dug Well, Direct	0	2	6.7	23	55	.03	.01		2.1	18.	3
	Tubular Wells, Tap in Town	1	5	7.1	45	85	.08	.00		1.4	16.	3
	Weir Springs, Direct	0	4	6.4	17	58	.01	.00		3.5	42.	3
Sutton-Manchaug Water Dist.	Gravel P. Well #1, Tap in P.S.	0	2	6.5	11	27	.03	.05		0.0	28.	3
	Gravel P. Well #2, Tap in P.S.	0	3	6.4	11	29	.04	.03		0.0	20.	3
	Gravel P. Well #3, Tap in P.S.	0	3	6.5	12	25	.04	.03		0.0	19.	3
Swansea	Midwood Well #2	1	12	6.3	13	25	.23	.15		0.2	7.0	3
	Gravel Packed Wells at Maher Field	0	2	6.1	9	59	.00	.01		4.8	16.	3
	Gravel Packed Well, Vinnicum Rd; Tap in P.S.	0	2	6.3	18	49	.02	.03		1.0	16.	3

Averages of Chemical Analyses of Ground Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Taunton-Dept. of Mental Health	Gravel Packed Well #1	1	3	6.5	14	39	.18	.07		3.8	13.	3
	Gravel Packed Well #2	0	0	4.4	15	37	.02	.11		4.3	13.	2
	Gravel Packed Well #3	0	0	6.6	17	31	.03	.12		1.3	7.7	3
Templeton	Gravel P.W. #1 at Baldwinville, Tap in Town	0	3	6.3	6	23	.01	.00		0.6	15.	3
	East Templeton G. P. Well	2	9	6.4	93	70	.18	.17		0.1	12.	2
	G. P. Well #2, off Rt 101 East Templeton	4	15	5.8	4	21	1.0	.14		0.1	19.	3
Tewksbury-Water Dept.	Gravel P. Well #1, Tap in P.S.	1	20	6.6	13	37	.29	.43		0.6	27.	3
	Gravel P.Well #2, Tap in P.S.	1	65	6.3	19	42	5.0	.30		1.4	20.	1
	Gravel P. Well #3, Tap in P.S.	7	7	6.4	11	36	.18	.13		1.6	18.	3
	Gravel P. Well #4, Tap in P.S.	4	13	6.6	16	27	0.6	.30		0.1	13.	3
	Gravel P. Well #5, Tap in P.S.	0	3	6.4	9	32	.01	.03		2.7	18.	3

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Tewksbury Water Dept.	Gravel P. Well #6, Tap in P. S.	0	0	6.4	10	49	.02	.27		1.5	33.	3
	Gravel P. Well #7, Tap in P.S.	0	12	6.5	46	66	.02	0.7		0.6	19.	3
	Gravel Packed Well #8, Tap in P.S.	1	2	6.4	8	51	.01	.01		1.5	40.	3
	Gravel Packed Well #9, Tap in P.S.	0	2	6.6	16	63	.01	.01		2.1	28.	3
	Center of Town	0	8	6.4	26	52	.02	.02		1.3	28.	2
Tewksbury Hospital	Old Wells, Tap in P.S.	0	2	6.2	14	37	.01	.12		0.9	22.	3
	New Tubular Wells, Tap in P.S.	1	8	6.1	12	59	1.2	1.3		0.2	96.	3
	Tap in Administration Building	0	0	6.4	13	39	.01	.09		1.0	21.	3
Tisbury	Tashmoc Spring, Pump Well Direct after Drawdown	0	0	6.2	6	17	.01	.00		0.3	12.	3
	Gravel Packed Well, Tap in P.S.	0	0	6.2	6	22	.01	.01		0.1	17.	3
Topsfield Water Dept.	Tubular Wells, Tap in P.S.	0	2	6.4	35	61	.00	.01		1.4	19	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Water Works Inc. Tonsfield Wylede Wood	Tap on System	0	3	7.4	75	102	.02	.01		1.2	15.	2
Townsend	Tubular Wells, Tap in P.S.	0	0	6.2	7	15	.02	.01		0.3	5.0	3
Upton	Tubular Wells, Tap in P.S.	0	2	6.3	9	40	.02	.01		0.9	19.	3
Uxbridge	Gravel Packed Well #1, Tap in P.S.	0	0	6.1	14	52	.12	0.5		0.4	19.	3
	Gravel Packed Well #2, Tap in P.S.	0	1	6.0	15	63	.10	.15		1.4	18.	3
Wakefield	Dug Well, Tap in P.S. Bay State Well	1	3	6.9	39	127	.04	.03		2,7	59.	3
Walpole	Tubular Wells, Tap in P. S.	4	20	6.5	27	80	0.4	0.6		0.7	27.	3
	Mine Brook Well, Tap in P.S.	6	15	6.5	33	78	0.4	1.4		0.9	40.	3
	Gravel Packed Well, Tap in P.S.	3	7	6.5	31	137	.03	.42		1.2	47.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Stockbridge Mahkeenac Water Works Corp.	Deep Tubular Well, Tap in P.S.	1	3	7.4	91	107	.14	.01		0.0	1.8	1
Stoughton	Collecting Gallery, Tap in P.S.	1	6	6.1	12	35	.14	.02		2.7	17.	3
	Tubular Wells, Tap in P.S. Harris Pond	0	2	6.4	17	61	.00	.01		3.0	26.	3
	G.P.Well, Fennell Site - West St.	1	3	6.4	23	43	.04	.02		1.0	16.	3
Stoughton	Gravel P. Well, McNamarra Site	0	2	6.2	13	36	.00	.01		0.4	12.	3
Sturbridge	Tubular Wells, Tap in P.S.	2	6	6.6	49	81	1.0	.07		3.7	21.	2
	Gravel P.Well, #3, Tap in P.S.	5	25	6.2	19	45	1.1	.03		0.3	23.	2
Sudbury	G.P.Well #2 off Raymond St. Tap in P.S.	0	1	7.2	53	84	.01	.01		0.0	8.5	4
	Pratts Mill Well #3, Tap in P.S.	0	0	6.9	34	35	.00	.01		2.6	14.	4
	Warren Rd. Well #4, Tap in P.S.	0	1	7.0	42	60	.00	.00		2.5	9.3	4
	Gravel P. Well at Rt. 117	1	1	7.1	28	27	.20	.01		0.2	4.5	4

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Ware	Large Well Before Treatment	0	2	6.4	20	33	.12	.00		1.0	9.3	3
	Tap in P.S. After Treatment	1	2	8.3	173	26	.01	.00		1.0	10.	3
Wareham Onset Fire Dist.	New Gravel Packed Well, Tap in P.S.	0	1	5.8	3	14	.02	.02		1.3	9.7	3
Wareham Fire Dist.	Gravel P. Well #1 at Maple Springs, Tap in P. S.	0	0	6.1	4	13	.01	.01		0.0	8.7	3
	G.P.W. #2 at Maple Springs Tap in P.S.	7	15	6.2	5	12	.24	.03		0.0	8.3	3
	G.P.W. #3 at Maple Springs, Tap at P.S.	0	4	6.0	5	13	.06	.01		0.0	8.0	3
	G.P.W. #4 at Maple Springs, Tap at P.S.	0	4	6.0	4	14	.01	.01		0.0	8.0	3
Warren Water Dist.	Tubular Wells, Tap in P.S.	0	0	4.4	11	25	.02	.01		0.2	4.8	3
Warren Water Co.	Dug Wells, Tap in Village	3	5	6.2	9	80	.29	.03		0.2	75.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Wayland	Baldwin Pond, Gravel P. Well #1, Tap in P.S.	0	2	6.7	44	81	.08	.13		0.8	14.	3
	New Gravel Packed Well #2, Tap	0	2	6.8	39	89	.00	.00		4.0	17.	3
	Happy Hollow Gravel P. Well #1, Tap in P.S.	0	3	6.5	34	87	.00	.00		3.8	34.	3
	Happy Hollow G. Packed Well #2, Tap in P.S.	0	3	6.7	40	88	.01	.00		3.1	37.	3
Webster	Wells, Tap in P.S.	1	3	6.6	18	32	.08	.05		0.4	14.	3
	Gravel Packed Well	1	1	6.7	27	29	.03	.04		0.1	22.	3
Wellesley Water Works	Public Wks. Bldg, Composite of Town	0	5	6.5	60	99	.06	.18		0.7	49.	2
	Gravel P. Wells at Morse's Pond, Tap in P.S.	4	8	6.5	40	91	.29	0.4		0.5	67.	3
	Thomas Coughlin Well	0	5	6.4	41	82	.02	.20		0.8	57.	3
Wellesley-Wellesley College	New Tubular Wells, Tap in P.S.	0	2	6.4	19	65	.02	.00		1.3	53.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Wenham	Gravel Packed Well #1	0	1	7.2	79	111	.04	.00		1.7	21.	3
	Gravel Packed Well #2	0	3	7.5	98	136	.01	.08		1.8	20.	2
Westborough	Gravel Packed W. Tap in P.S. Hopkinton Rd.	0	0	6.4	14	61	.00	.00		1.9	37.	3
	Gravel Packed Well #2, Morse St.	0	0	6.3	9	39	.00	.00		0.9	30.	3
	Mourse Street Well	3	8	7.6	35	35	.19	.00		1.5	7.3	3
West Boylston	Gravel Packed Well #3, Tap in P.S.	0	15	6.2	13	35	.10	.02		0.5	25.	3
	Lee Street Well #4, G.P. Well	0	4	6.4	19	49	.00	.00		1.2	18.	3
	Oakdale Gravel Packed Well, Tap in P.S.	0	2	6.3	16	31	.00	.01		0.6	13.	3
West Bridge-water	Tubular Wells, Tap in P.S.	0	2	6.1	10	45	.03	.10		3.8	16.	3
	Gravel Packed Well-Station #3	0	2	6.4	27	57	.01	.00		0.2	26.	3
	Gravel Packed Well	0	2	6.9	7	49	.12	.03		1.8	15.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Westminster	Holmes Park Water Dist	0	0	6.3	5	11	.02	.01		0.0	8.7	3
Weston	Tubular Wells at Kendall Green, Tap in P.S.	3	33	6.6	21	62	2.0	.24		0.9	38.	2
Weston-Water Works	Gravel Packed Well at Nickerson Field	1	2	6.6	67	171	.07	.01		0.7	172	3
	New Gravel Packed Well, Rt. 128	-	-	-	-	-	-	-		-	-	-
Weston- Weston College	Deep Tubular Well	1	3	7.1	52	67	.01	.02		1.1	17.	3
Westport-Westport Harbor Aqueduct Co.	Tap on System	1	3	6.5	14	50	.05	.00		2.3	60.	2
Westport Acoaxet Water Wks.	Tap in No. P.S. Acoaxet Water Works	3	5	6.2	13	48	.49	.01		7.0	16.	2
	Tap in So. P.S. Acoaxet Water Works	2	5	6.8	62	84	.16	.19		3.0	50.	2

Averages of Chemical Analyses of Ground Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
West Springfield	Gravel P. Well, Tap in P.S. #1, Southwick Well	0	3	7.6	42	74	.01	.00		3.8	7.0	2
	Gravel P. Well #3, Southwick P.S.	0	3	7.9	51	75	.01	.02		4.0	8.0	2
	Gravel P.W. in P.S. #2 Southwick Well	0	5	7.7	43	66	.01	.02		2.6	6.0	2
West Stockbridge	Sartori Quarry, Tap at P.S.	1	3	7.9	111	120	.01	.00		0.0	1.3	3
	Sartori Spring, Direct	0	3	7.5	100	109	.00	.00		0.1	2.8	3
West Stockbridge	New Spring-Direct	0	3	7.0	11	24	.01	.01		0.1	1.0	3
Weymouth	G.P.W. near Circuit Ave, Tap in P.S.	1	18	7.0	111	61	.11	1.7		0.5	48.	3
	H.P.W. Mill River (Main St.) Tap in P.S.	1	7	6.6	85	68	.01	0.8		3.8	120.	3
	Gravel Packed Well, Whitman's Pond	2	3	6.9	57	46	.01	.19		0.2	34.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Whately	Tap on System	0	3	7.6	60	83	.02	.01		0.0	5.2	3
Williamsburg	Gravel Packed Well, Tap in P.S.	1	3	6.4	23	43	.04	.00		1.0	7.8	2
Williamstown	New Gravel Well	1	7	7.6	126	133	.27	.06		0.0	1.8	3
	Sherman Spring	0	5	7.6	94	103	.00	.01		0.2	3.0	3
	Gravel Packed #2	1	3	7.7	77	89	.02	.00		0.2	2.5	3
Wilmington	Town Park, Gravel Packed Well	1	5	6.0	9	94	.19	.02		0.4	50.	2
	Shawsheen Ave. G. P. Well	0	2	6.3	33	67	.01	.00		0.8	32.	3
	Aldrich G.P. Well	0	2	6.3	15	51	.00	.00		0.2	23.	3
	New Tub. Wells-Barrows P.S.	0	7	6.3	36	107	.07	.01		3.5	75.	3
Wilmington	Butters Road G. P. Well	6	15	5.8	11	87	1.8	.20		0.0	128	2
	New G.P.W. Tap at Chestnut St. P.S.	1	16	6.2	19	76	.13	.30		0.1	120	2
Winchendon	Old Well	1	15	6.8	17	26	.09	.00		0.0	1.5	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
West Brookfield	Tap in P. S.	0	3	6.0	9	28	.21	.04		0.8	13.	2
	Tubular Wells	1	0	6.3	9	25	.23	.03		0.8	13.	2
Westfield	G. P. Well #1 off So Holyoke Rd.	0	5	6.9	37	57	.02	.01		1.7	18.	2
	Tubular Wells, Tap in P.S. Before Treatment	0	0	6.7	50	112	.04	.00		2.7	27.	3
	G. P. Well #1 off Union St.	1	6	7.1	36	46	.11	.01		0.5	8.0	2
	G. P. Well #3 off Shaker Rd.	11	25	7.4	40	52	.47	.02		1.3	5.5	1
	G. P. Well #4 off Shaker Rd.	13	25	7.5	54	78	,40	.02		2.4	9.5	1
Westford	G.P. Well -Nutting Rd	1	14	6.4	18	35	.02	.21		0.4	15.	2
	Tubular Wells, Tap in Westford,P. S.	0	3	6.7	38	38	.04	.00		0.2	12.	2
	Tubular Wells, Tap in P.S. at Brookside	0	0	6.5	18	44	.01	.00		0.7	30.	2
	Pumping Sta. G.P. Well, Cemetery Rd.	0	5	6.4	15	34	.02	.02		0.4	7.0	1
Westhampton	Tap in Town	0	10	6.9	14	22	.07	.00		0.4	2.0	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Winchendon	New Well	0	0	6.4	7	16	.03	.00		0.0	1.5	1
Woburn	Well A-2 Gravel Packed	0	3	6.9	47	107	.00	.09		0.4	98.	3
	Well B Gravel Packed	0	3	6.8	36	90	.00	.02		0.4	95.	3
	Well C-2 Gravel Packed	0	3	6.9	39	90	.01	.11		0.2	93.	3
	Well D, Gravel Packed	0	3	6.5	30	81	.00	.09		1.2	78.	3
	Well E, Gravel Packed	0	3	6.4	36	99	.00	.13		2.3	90.	3
	Well F, New Gravel Packed	0	3	6.3	27	87	.00	.23		1.2	56.	3
	Well G, at Rifle Range	0	7	6.3	62	254	.00	.61		3.2	132	3
Worthington	Spring, Tap in Town	1	0	6.5	5	18	.07	.00		0.1	1.3	2
	Deep Tubular Well, Tap in P.S. Well #1	1	3	6.1	8	14	.20	.00		0.1	3.3	2
	Feeder Spring	3	5	6.3	21	26	.22	.00		0.1	2.5	2
Wrentham Water Dept.	Gravel Packed Well #2	0	0	6.3	28	34	.02	.00		0.2	10.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Wrentham State School	Tubular Wells, Tap in P. S. #1	1	0	6.5	21	112	.04	.00		1.2	68.	3
	Tubular Wells, Tap in P. S. #2	0	0	6.3	31	51	.01	.00		2.0	19.	3
Yarmouth	Gravel Packed Wells, Tap in P.S.	0	0	6.5	5	14	.00	.00		0.0	16.	1
	New Gravel P. Well #1, W. Yarmouth	0	2	6.3	4	17	.00	.01		0.0	17.	3
	New Gravel P. Well #2. W. Yarmouth	2	6	6.2	5	22	.17	.01		0.1	28.	3
	New Gravel P. Well #3, W. Yarmouth	0	2	6.2	5	21	.02	.01		0.2	40.	3
	Two New Gravel Packed Wells	1	0	6.2	5	10	.00	.00		0.1	16	1
	#5 Pump. Long Pond Drive	1	0	6.2	3	22	.02	.01		0.1	16.	2
	#7 Pump-No Main St.	1	4	6.2	5	31	.09	.01		0.1	15.	2

PART II

SURFACE WATER ANALYSES

1969

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1969

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Abington-Rockland	Big Sandy Pond, Tap in P.S.	3	15	6.6	10	25	.23	.02	.05	0.0	27.	3
Adams	Bassett Brook Reservoir	0	4	7.0	15	27	.05	.01	.03	0.3	1.5	3
Amherst	Atkins Pond at Outlet	0	10	6.2	2	11	.07	.04	.09	0.0	2.8	3
	Norse & Dean Brooks above Atkins Pond	0	15	5.6	2	16	.06	.06	.08	0.0	2.3	3
	Hills Reservoir at Outlet	0	43	5.4	3	12	.15	.05	.10	0.0	3.8	3
	Hawley Reservoir at Outlet	0	12	5.7	2	15	.07	.05	.10	0.0	3.3	3
	Amethyst Brook, Outlet of Intake Res.	0	31	5.7	1	18	.13	.05	.08	0.0	3.2	3
Andover	Haggett's Pond, Tap in P.S. after Treatment	1	18	8.0	25	49	.04	.01	.09	0.3	31.	3
Ashburnham	Upper Naukeag Lake, Tap in P.S.	0	5	6.2	2	13	.12	.12	.07	0.0	4.8	3
Ashfield	Highland Spring Reservoir, Tap	2	23	6.9	27	38	.10	.01	.22	0.1	3.9	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1969

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Athol	Raw Water at Filtration Plant	1	30	7.7	12	33	.15	.03	.13	0.1	40.	2
	Final Effluent at Filter Plant	1	2	7.9	24	55	.11	.17	.05	0.2	39.	3
	Tap in Town Hall	0	0	6.8	25	47	.04	.55	.04	0.8	18.	3
Attleboro	Seven Mile River, Inlet to Filters	1	15	6.9	11	33	.08	.07	.08	0.1	27.	3
	Canal Near G.P.W. W.Mansfield (if used)	1	28	6.8	17	30	.28	.01	.10	0.0	26.	3
Barre	Reservoir, Direct Allen Hills	5	25	6.6	8	21	.19	.04	.42	0.4	15.	4
Bedford-Vets Hos.	Tap in Hospital (MDC SUPPLY)	1	5	6.3	4	28	.20	.02	.03	0.4	13.	1
	Tap in Hospital #2 Building	1	0	6.4	5	22	.22	.04	.03	0.5	13.	1
Billerica	Concord River, Opposite P.S.	3	65	6.9	14	46	.81	.11	0.4	0.3	38.	3
	Raw Water, Outlet of Coagulation Basin	4	15	5.4	3	41	0.4	.31	.10	0.3	44.	3
	Tap in P.S. - Final Effluent	0	7	8.7	31	41	.02	.13	.08	0.3	46.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Water Sources for Year 19

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Blanford	Long Pond - Tap	0	10	7.7	7	23	.04	.01	.05	0.0	1.5	3
Braintree	Great Pond, Tap on Low Lift Pump	2	18	6.7	11	40	.04	.03	.10	0.5	46.	3
	Coagulated Water, Entrance to Filters	1	3	6.5	6	40	.04	.03	.11	0.5	49.	3
	Final Effluent, Tap in P.S.	0	0	7.3	26	40	.02	.02	.06	0.5	48.	3
Bridgewater-MCI	Taunton River Before Filtration	6	77	6.3	11	38	1.0	.15	0.3	0.9	25.	3
	Taunton River After Filtration	11	78	6.2	11	35	1.1	.15	0.5	0.4	27.	3
Brockton	Avon Reservoir, Surface near Gatehouse	1	25	6.3	5	36	.26	.06	.15	0.1	61.	2
	Silver Lake, at Intake	1	9	5.7	2	21	.15	.33	.09	0.0	17.	3
	Tap on System in Brockton	1	8	7.4	6	20	.17	.04	.06	0.1	18.	2
Brookfield	Cooley Hill Reservoir	2	6	7.4	40	56	.07	.01	.05	0.7	8.0	4
Cambridge	Fresh Pond	1	24	6.9	33	58	.05	.09	.15	0.5	40.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Cohasset	Raw Water at Filter Plant #4	2	80	6.2	8	36	0.8	.06	.27	0.0	30.	3
	Filtered water at Filter Plant P.S. #4	0	10	6.8	14	77	.06	.08	.12	0.0	32.	3
Colrain	Mountain Brook Reservoir	1	5	7.3	54	67	.04	.02	.01	0.0	6.3	3
Concord	Nagog Pond near Gatehouse	0	10	7.4	9	24	.01	.02	.10	0.0	13.	1
Dalton-Fire Dist.	Anthony Brook	0	18	5.3	2	8	.10	.13	.11	0.9	1.5	2
	Egypt Brook Upper Reservoir	2	18	5.3	3	11	.20	.07	.14	0.1	1.5	2
	Windsor Reservoir	2	25	6.0	16	17	.20	.13	.10	5.5	2.3	2
	Raw Water at Entrance to Tank Settleing	2	25	6.4	10	17	.23	.08	.16	0.1	2.2	2
	Filtered Water at Filtration Plant	3	15	6.6	13	21	.07	.02	.11	0.2	1.8	3
	Tap in Town	1	18	6.7	15	25	.05	.23	.13	1.8	3.0	3
Dalton-Water Co.	Reservoir Direct	0	3	7.2	25	33	.02	.02	.02	0.1	1.3	3
Danvers-Water & Sewer	Middleton Pond Direct	1	60	6.5	7	21	.08	.02	.13	0.1	8.0	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Danvers-Water & Sewer	Swan Pond Direct	3	38	6.7	14	20	.19	.01	.09	0.0	4.3	3
	Emerson Brook Direct	1	185	5.7	11	31	.54	.05	.21	0.0	17.	2
Danvers-State Hospital	Tap in Pump House	1	43	6.3	13	46	.34	.17	.17	0.1	18.	3
Dartmouth	Mixed new Bedford & Dartmouth Water at elevated Tank	0	7	6.3	18	133	.01	.01	.04	0.5	3.5	3
Dartmouth	New Bedford Water, Tap in Allen St. P.S.	2	21	6.8	20	29	.41	.01	.10	0.2	13.	3
Deerfield, W.S. Dist.	Roaring Brook Res. Tap in Dist.	0	8	7.1	29	51	.04	.01	.02	1.4	8.8	3
Edgartown	Great Pond Near P.S.	-	-	-	-	-	-	-	-	-	-	-
Egremont	Goodale Brook Res. Tap in Town	0	3	7.1	30	31	.02	.02	.00	0.0	3.8	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Fall River	Tap in Water Works Building, Bedford St.	2	12	6.5	3	30	.13	.04	.06	0.0	10.	3
	North Watuppa Pond	1	10	6.4	3	19	.05	.01	.05	0.0	9.0	3
	So. Watuppa Pond at R.R. Bridge	4	32	7.1	13	23	.16	.09	.09	0.0	20.	3
	Noquochoke P.S., Industrial Supply	1	128	5.9	5	15	.64	.03	.19	0.1	11.	3
Falmouth	Long Pond, Tap in P.S.	0	5	6.6	6	13	.02	.02	.00	0.0	13.	3
Fitchburg	Falulah Brook at Shattuck Reservoir	1	21	6.3	3	15	.23	.02	.13	0.1	5.8	3
	Lovell Reservoir at Dam	1	8	5.9	2	11	.06	.01	.08	0.0	4.3	3
	Meetinghouse Pond at Gatehouse	1	18	6.5	3	15	.16	.01	.09	0.1	6.0	3
	Scott Reservoir at Gatehouse	1	10	6.4	3	13	.07	.00	.08	0.0	4.7	3
	Wachusett Lake at Gatehouse	0	10	6.1	3	13	.07	.02	.11	0.0	6.5	3
	Tap at City Hall, Low Service	1	11	5.9	2	17	.22	.02	.09	0.0	5.5	3
	Tap at Water Works Shop, High Service	1	7	6.0	3	15	.19	.01	.08	0.1	5.5	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Cont'												
Fitchburg	Mare Meadow Reservoir	1	23	6.1	2	15	.45	.07	.21	0.1	4.2	3
Framingham	MDC Station, Tap in P.S. Edgell Rd.	0	6	6.4	7	19	.05	0.1	.04	0.1	7.3	3
	MDC Station, Tap in P.S. Pleasant St.	0	5	6.1	6	15	.01	.02	.04	0.1	7.5	3
	MDC Station, Tap in P.S. Grove St.	0	5	6.3	4	19	.02	.02	.04	0.1	8.0	3
Gardner-Water Dept.	Crystal Lake near P.S.	1	20	6.4	8	23	.18	.05	.15	0.1	19.	3
	Perley Brook	1	52	5.8	5	15	0.6	.12	.33	0.1	6.3	3
Gloucester	Babson Reservoir	1	38	5.7	3	15	.26	.11	.12	0.0	19.	3
	Dike's Brook Res. Surface near Gatehouse	1	17	5.2	2	11	.28	.28	.05	0.0	12.	3
	Haskell Res. Surface near Gatehouse	1	10	5.5	1	15	.10	.29	.09	0.1	32.	3
	Fernwood Lake	2	178	5.0	5	17	0.9	.05	.17	0.0	12.	3
	Wallace Reservoir	1	12	5.7	3	9	.21	.07	.04	0.0	14.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Water Sources for Year 19

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Cont'd												
Gloucester	Klondike Quarry	1	8	6.0	4	16	.04	.02	.03	0.0	16.	3
	Tap in City	1	18	5.5	3	29	.17	.10	.08	0.0	23.	3
Gloucester Water Wks.	Goose Cove Reservoir	2	40	6.4	2	14	.41	.22	.15	0.0	15.	3
Gr. Barrington W. Wks.	Long Pond near Gatehouse	1	8	7.5	71	87	.02	.01	.10	0.0	2.2	3
	Filtered Water at Filtration Plant	0	2	7.2	76	93	.00	.01	.02	0.2	2.2	3
Gr. Barrington Fire D.	East Mountain Reservoir	1	7	7.3	30	39	.03	.00	.03	0.0	1.8	3
Gr. Barrington Fire D.	Infiltration Gallery, Tap in P.S.	0	0	7.2	82	99	.00	.01	.02	0.5	6.2	3
	Green Rvr. opposity infiltration Gallery	0	3	7.4	76	93	.01	.00	.01	0.4	6.7	3
Greenfield Pub. Wks.	Glen Brook Upper Reservoir	1	7	6.9	36	45	.03	.01	.03	0.3	4.8	3
Greenfield Filter Pl.	Raw Water	1	8	7.0	36	56	.05	.01	.05	0.3	5.5	3
	Settled Water	1	7	6.9	37	48	.08	.03	.07	0.3	4.8	3
	Outlet of Filters	0	2	6.7	34	44	.00	.01	.04	0.4	5.5	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1969

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
(Cont')												
Greenfld Filter Pl.	Tap in Town	3	16	6.8	27	52	.34	.01	.05	0.4	83	3
Hatfield	Running Cutter Brk. Res. Tap in Twn.	0	5	7.2	39	47	.01	.01	.01	0.9	3.7	3
Haverhill	Millvale Reservoir, Tap in P.S.	1	57	7.0	23	35	.15	.01	.29	0.1	21.	3
	Crystal Lake, Near Intake	1	20	6.9	9	24	.03	.02	.10	0.1	7.3	3
	Kenoza Lake, Tap in P.S.	1	15	6.9	11	29	.05	.01	.07	0.0	17.	3
	Johnson's Pond, Tap in P.S.	1	17	7.0	14	27	.03	.01	.08	0.0	13.	3
	Gale Hill Reservoir, Outlet	1	12	7.2	11	33	.04	.01	.08	0.0	15.	3
Hingham	Accord Pond at Gatehouse	1	10	5.9	2	18	.18	.06	.06	0.0	31.	1
Hinsdale	Reservoir from Tap	0	0	5.2	1	13	.04	.03	.01	0.0	1.3	3
Holden	Muschopauge Lake-Tap in Town	1	7	7.1	6	19	.05	.01	.07	0.0	6.3	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Holyoke	Manham Reservoir, Outlet	1	23	7.0	7	13	.06	.01	.11	0.0	2.2	3
	Hugh McLean Res. Surface near Gateh.	1	18	6.8	8	20	.04	.01	.05	0.1	6.3	3
	White Res. Surface near Gatehouse	1	10	7.0	8	14	.02	.01	.10	0.2	1.8	2
	Wright & Ashley Ponds near Gatehouse	1	8	7.1	18	28	.06	.01	.03	0.0	5.7	3
	Whiting St. Res. near Gatehouse	1	12	7.4	19	31	.05	.00	.04	0.0	13.	3
Hudson	Gates Pond near Gatehouse	2	13	6.9	8	22	.10	.00	.06	0.0	6.7	3
	Fesgate Brook	2	205	6.8	5	43	.25	.19	.11	0.4	9.0	2
Ipswich	Bull Brook Res. near Gatehouse	-	-	-	-	-	-	-	-	-	-	-
Ipswich Water Dept.	Dow's Brook Res. near Gatehouse	1	28	6.9	18	38	.42	.02	.10	0.0	14.	3
Lawrence	Tap at Experiment Station	2	5	7.0	10	48	.25	.01	.34	0.5	17.	2
	Merrimack R. Intake at Filter Plant	12	35	6.6	7	19	.61	.01	.62	0.3	12.	2

Averages of Chemical Analyses of Surface Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
(Cont'd)												
Lawrence	Coagulated & Settled Water as applied to Rapid Sand Filters	3	6	5.8	1	29	.06	.01	.52	0.4	18.	2
	Effluent Rapid Sand Filters	2	8	5.7	2	30	.08	.01	.35	0.4	16.	3
	Outlet of Distributing Res.	7	18	6.8	7	44	0.9	.01	.40	0.5	18.	2
	Tap at Water Dept. Shop	2	11	6.9	8	41	0.8	.02	.25	0.7	17.	2
Lee	Basin Pond Brook	1	57	6.7	9	18	.17	.01	.23	0.1	1.2	3
	Codding Brook, Upper Reservoir	1	7	7.0	27	41	.03	.01	.06	0.1	2.0	3
	Codding Brook, Lower Res.	1	13	6.9	17	27	.18	.03	.09	0.0	1.7	3
Leicester-Rochdale Water Dept.	Henshaw Pond, Direct	1	22	6.7	11	31	.11	.00	.19	0.1	29.	3
Leicester-Rochdale Water Dept.	Filtered Water, Tap in P.S.	0	22	6.5	10	34	.02	.00	.06	0.2	34.	3

Averages of Chemical Analyses of Surface Water Sources for Year 19 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Lenox	Lower Root Res. near Gatehouse	1	5	7.7	57	61	.02	.01	.04	0.0	1.0	2
	Woolsey Res., near Gatehouse	1	5	7.6	38	44	.02	.02	.04	0.0	1.0	2
Leominster	Fall Brook Res. Surface	0	7	6.1	3	16	.06	.03	.06	0.0	4.5	3
	Simonds Pond Raw Water	1	20	5.6	2	11	.12	.05	.13	0.0	6.3	3
	Simonds Pond Final Effluent	1	5	9.0	19	26	.04	.04	.06	0.0	7.5	3
	Distributing Res. near Gatehouse	1	3	7.2	3	13	.08	.02	.04	0.0	4.2	3
Lincoln	Sandy Pond near Gatehouse	1	9	6.3	2	16	.04	.04	.07	0.0	6.8	4
Lowell	Raw Water, Merrimac River	4	35	7.2	9	18	.30	.03	.67	0.2	18.	2
	Outlet of Settling Tank before Filtration	2	10	6.3	7	20	.19	.03	.41	0.3	16.	2
	Filter Effluent	0	3	7.3	9	21	.03	.05	.42	0.3	34	2
	Tap in City, 6th St. Meter Shop	0	8	8.0	16	17	.03	.01	.38	0.3	35.	2
Ludlow	Tap in Town, Ludlow	1	5	6.5	6	24	.02	.01	.02	0.0	12.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year** 1969

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Lynn	Birch Pond, near Gatehouse	2	15	7.0	17	39	.07	.09	.13	0.0	32.	3
	Breeds Pond, surface near Gatehouse	2	30	7.0	27	59	.16	.03	.15	0.1	51.	3
	Hawkes Pond near Gatehouse	4	62	7.0	51	81	.58	.22	.26	0.1	69.	3
	Walden Pond surface near Gatehouse	1	43	7.1	30	59	.24	.09	.14	0.1	49.	3
	Saugus River at Intake to Lynn Water Works	2	65	7.0	66	87	.43	.17	.31	0.0	61.	3
	Ipswich River at Intake	4	77	6.8	15	46	1.0	.07	.29	0.4	36.	3
	Tap in City	1	37	6.7	22	57	.62	.12	.17	0.1	50.	3
Manchester	Gravel Pond, surface near Intake	1	15	6.5	8	18	.11	.01	.07	0.0	16.	2
	Gravel Pond, Tap in P.S. (Treated)	1	7	6.5	8	21	.34	.01	.02	0.0	22.	3
Marlborough	Millham Brook Res. near P.S.	2	22	6.4	11	41	.26	.08	.08	0.1	40.	3
	Lake Williams near P.S.	1	6	6.5	11	37	.02	.01	.07	0.0	72.	3
	MDC Supply	0	8	6.7	6	13	.01	.01	.07	0.0	7.0	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Maynard	White Pond near Gatehouse	2	10	6.9	7	22	.08	.00	.00	0.0	7.5	1
Medfield	Farm Pond near Gatehouse	0	3	6.7	22	24	.03	.02	.03	0.1	7.5	2
Methuen	Tap in Town, Lawrence Supply	1	7	6.8	12	46	.04	.01	.16	0.7	19.	3
Metropolitan (Framingham)	Framingham Res. #3, near Gatehouse	2	18	6.7	13	32	.08	.07	.11	0.1	32.	3
	Sudbury Res. Surface near Gatehouse	3	25	7.1	13	36	.08	.05	.13	0.1	20.	3
	Walkers Brook Effluent	0	5	6.0	18	54	.00	.28	.08	0.1	88.	1
	Terminal Chamber, Chestnut Hill, Gatehouse No #2	1	8	6.9	10	29	.04	.01	.09	0.1	12.	3
	Weston Reservoir at Gatehouse	1	10	6.8	6	19	.02	.01	.03	0.1	8.0	3
	Norumbega Res. at Outlet	0	10	6.6	6	14	.03	.01	.08	0.1	8.2	3
Met.-Clinton	Entrance to Aqueduct in Power Hs.	1	5	6.5	5	16	.02	.01	.07	0.1	6.7	3
	Quianpoxet River above Dam at Oakdale	1	33	6.5	6	17	.16	.01	.21	0.2	11.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
(Cont'd)												
Met.(Clinton)	Stillwater Rvr. just above high water mark of Reservoir	1	22	6.6	8	23	.10	.01	.17	0.8	8.3	3
	Gates Brook just above Reservoir	0	13	7.0	29	77	.03	.01	.10	1.7	68.	3
Met. (Belchertown)	Quabbin Res. in or near Tunnel Intk	1	5	6.6	4	13	.04	.05	.06	0.0	3.5	3
	Ware River at Shaft	2	68	6.4	6	16	0.7	.01	.29	0.0	6.8	3
Met. (Stoneham)	Sport Pond from Gatehouse	0	8	6.6	5	18	.04	.01	.06	0.1	8.3	3
Met. (Revere)	Tap in Revere	2	10	6.5	6	42	.30	.01	.04	0.2	8.0	3
Met. (Quincy)	Tap in Quincy	1	13	6.7	7	38	.14	.00	.03	0.2	9.0	3
Metro. (State House)	Tap at 600 Washington St.	1	8	6.7	6	17	.12	.01	.15	0.2	9.0	2
Milford	Charles River Inlet to Filters	1	17	6.6	7	21	.21	.01	.09	0.1	9.0	3
	Wells & Outlet of Filters, Tap in P.S.	1	5	7.1	24	21	.30	.01	.01	0.2	11.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Monroe	Raw Water at Filter Plant, Tap	1	10	6.7	10	18	.05	.01	.05	0.1	3.0	3
	Filtered Water at Filter Plant, Tap, Clear Well	0	0	6.6	13	19	.02	.01	.03	0.1	3.8	3
Monson	Ingalls Brook Near Diversion Dam	-	-	-	-	-	-	-	-	-	-	-
	Conant Brook Res. at Dam	1	40	6.8	5	19	.41	.04	.09	0.1	3.7	3
Montague	Lake Pleasant, Direct	1	5	6.4	4	14	.06	.02	.03	0.0	3.0	2
Needham	Tap In P.S. Hultman Aqueduct	0	5	6.5	7	16	.03	.01	.16	0.0	8.0	3
New Bedford	Gr. Quitticas Pond. Surface near Outlet to Little Quitticas Pond	1	30	6.5	4	13	.10	.01	.05	0.0	11.	3
	Little Quitticas Pond, at Intake	1	23	6.3	3	12	.10	.01	.06	0.0	11.	3
	High Hill Reservoir at Outlet	1	15	6.6	10	13	.09	.00	.06	0.0	13.	3
	Long Pond, Upper End	2	43	6.2	3	13	.20	.03	.10	0.0	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
(Cont'd)												
New Bedford	Tap in P.S.	1	15	6.6	10	13	.14	.01	.07	0.0	13.	3
	Tap in City Hall	2	20	6.6	11	12	.21	.01	.07	0.0	14.	3
Newburyport	Artichoke River, Intake at Upr. Dam	1	35	6.8	23	30	.22	.01	.12	0.0	16.	3
	Mixed Raw Wtr. Applied to Filter	2	37	6.8	21	33	.26	.02	.14	0.0	17.	3
	Tap in Main P.S. (Final Water)	2	20	6.7	23	74	.28	.01	.08	0.5	26.	3
	Tap at City Hall	2	13	6.6	24	52	.22	.01	.09	0.4	24.	3
North Adams	Broad Brook Above Intake	0	4	7.1	33	41	.01	.00	.08	0.1	0.5	3
	James Brook	0	8	7.3	44	42	.00	.00	.05	0.0	0.5	3
	Mt. Williams Reservoir	0	5	7.4	64	80	.00	.00	.08	0.1	2.3	3
	Notch Brook Reservoir	1	7	7.7	58	72	.04	.00	.17	0.0	0.5	3
North Andover	Great Pond, Tap in P.S.	1	10	7.5	17	37	.02	.01	.02	0.1	18.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Northampton	Middle Res. Roberts Meadow Brook near Gatehouse	1	23	7.1	18	27	.32	.00	.11	0.0	4.5	3
	Mt. St. Res. Surface near Gatehouse	1	9	7.2	15	23	.07	.01	.05	0.0	2.7	3
Northborough	Lower Reservoir-Raw Water	4	45	6.6	5	74	.24	.02	.18	0.6	8.0	1
	Final Effluent of Filters	-	-	-	-	-	-	-	-	-	-	-
North Brookfield	Doane Pond near Gatehouse	2	33	6.5	10	19	.15	.09	.19	0.0	11.	3
	North Pond Near Gatehouse	1	17	6.5	7	18	.22	.05	.15	0.0	8.2	3
Northfield Wtr.Dist.	Minot Brook Res. -Tap in Town	-	-	-	-	-	-	-	-	-	-	-
Northfield Sch. Inc.	Upper Reservoir on Louisiana Brook	0	8	6.6	10	17	.06	.01	.03	0.1	1.3	3
	Northfield Seminary-Tap	1	10	6.8	11	21	.10	.01	.04	0.1	1.8	3
Orange	Coolidge Brook Reservoir	1	40	6.5	6	20	.11	.00	.14	0.3	4.8	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Palmer Village	Hamilton Reservoir	1	10	6.8	16	16	.13	.01	.05	0.1	12.	3
Palmer (Fire #1 Dist.)	Graves Brook - Upper Reservoir	1	18	6.7	8	15	0.4	.00	.07	0.3	5.0	3
	Graves Brook - Lower Reservoir	1	5	6.5	9	16	.21	.03	.04	0.1	3.2	3
Paxton	Asnebumskit Pond near P.S.	1	13	6.3	7	32	.10	.03	.11	0.2	29.	2
	Spring Basin - Tap in P.S.	1	12	6.1	7	32	.20	.04	.08	0.5	41.	1
Peabody	Spring Pond near Gatehouse	1	20	6.7	26	58	.04	.07	.46	0.4	72.	3
	Suntaug Lake near Gatehouse	1	25	6.7	15	49	.05	.02	.14	0.1	41.	3
Pittsfield	Ashley Brook Res. at Gatehouse	1	44	6.9	32	45	.10	.00	.13	0.1	1.3	3
	Mill Brook Res. at Gatehouse	-	-	-	-	-	-	-	-	-	-	-
	Roaring Brook, open conduit at outlet	1	40	6.4	5	14	.23	.02	.13	0.1	1.2	3
	Sackett Brook Res. at Gatehouse	1	17	6.9	39	47	.06	.00	.05	0.1	2.3	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Cont'd												
Pittsfield	Cleveland Brook Res. near Gatehouse	2	30	7.0	20	30	.27	.13	.07	0.1	4.5	2
	Tap in City Hall	2	23	6.8	16	25	.32	.07	.10	0.2	4.2	3
Plymouth	Great South Pond near Outlet	1	3	7.2	9	30	.05	.02	.10	0.0	16.	2
	Little South Pond near Outlet	1	2	6.7	3	17	.01	.01	.05	0.1	9.0	3
Randolph	Great Pond-Raw Water	1	5	6.4	8	36	.08	.08	.08	0.9	53.	1
	Gr. Pond-Outlet of Coagulation Basin	1	5	6.4	10	50	.06	.02	.08	0.9	50.	1
	Great Pond-Final Effluent	0	5	7.6	32	42	.00	.02	.06	0.9	51.	1
Rockport	Upper Carlson's Quarry, Tap in P.S.	1	5	5.9	6	18	.10	.01	.03	0.1	21.	3
	Cape Pond, Raw Water from Tap in P.S.	3	33	5.8	4	21	0.8	.29	.09	0.1	52.	2
	Final Effluent, Tap Filter Plant	1	10	7.9	12	48	.05	.12	.19	0.0	49.	2
Russell	Black Brook Res, Before Filtration,Tap	1	19	6.4	9	15	.13	.01	.12	0.0	1.7	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
(Cont'd)												
Russell	Black Brook Res; After Filtration, Tap	2	20	6.6	10	13	.06	.01	.14	0.0	1.8	3
Rutland	Muschopauge Lake near P.S.	0	3	6.7	5	19	.03	.02	.09	0.0	6.5	3
Salem	Putnamville Reservoir	2	25	6.5	10	34	.18	.01	.11	0.1	20.	3
	Longham Res. at Entrance to Wenham Lake	2	123	6.3	12	29	1.0	.03	.26	0.1	31.	3
	Wenham Lake Filtration Plant-Raw Water	4	32	6.4	16	47	.21	0.4	.39	0.2	29.	3
	Outlet of Coagulation Basin	3	16	6.3	10	47	.08	.16	.11	0.2	31.	3
	Final Effluent-Tap in Salem Filtration Plant	1	8	6.6	15	59	.06	.03	.08	0.2	36.	3
Shelburne	Fox Brook Intake Reservoir, Direct	0	4	7.5	32	41	.02	.00	.03	0.1	1.8	3
Southborough	New Station MDC aqueduct	1	5	6.7	3	22	.10	.01	.06	0.1	6.0	6
Southbridge	Hatchet Brook Reservoir #3-Direct	1	12	6.3	4	19	.15	.02	.07	0.0	2.8	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Cont'd												
Southbridge	Hatchet Brook Reservoir #4-Direct	1	11	6.3	4	18	.15	.01	.09	0.0	3.0	3
	Hatchet Brook Reservoir #5-Direct	1	9	5.9	2	13	.14	.03	.05	0.0	2.8	3
So. Hadley Fire Dist. #2	Elmer Brook - Filtered	-	-	-	-	-	-	-	-	-	-	-
So. Hadley F. Dist. #1	Leaning Well Reservoir near Gatehouse	2	15	6.7	12	23	.21	.01	.07	0.2	9.0	2
Spencer	Shaw Pond, Tap in Town House	1	4	6.3	2	15	.11	.01	.05	0.0	4.8	3
Springfield	Cobble Mt. Reservoir, Surface at Dam	1	16	6.7	4	19	.08	.01	.07	0.1	13.	3
	W. Parish Filters, Inlet to Dedimentat Basin	1	14	6.6	4	18	.13	.03	.11	0.1	13.	3
	W. Parish Filters, Final Effluent & Filters	0	9	6.3	3	21	.07	.01	.09	0.1	14.	3
	Ludlow Res. Before Filtration	1	17	6.5	6	21	.05	.01	.09	0.0	11.	3
	Ludlow Res. After Filtration	1	4	6.3	3	25	.03	.02	.07	0.1	12.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Stockbridge	Lake Averic near P.S.	1	10	7.2	55	65	.13	.00	.05	0.7	3.5	2
Sunderland	Saw Mill Reservoir, Direct	0	4	7.3	45	56	.04	.01	.01	0.0	3.2	3
	Tap in Town (Filtered Water)	0	2	9.2	132	53	.05	.01	.08	0.1	217.	3
Swampscott	MDC Supply - Tap in Town	1	4	6.5	5	17	.05	.00	.04	0.1	11.	3
Taunton St. Hosp.	Tap in Hospital	1	5	6.6	2	18	.20	.00	.05	0.0	13.	3
Taunton W. Works	Assawompsett Pond near Gatehouse	1	14	6.7	3	13	.08	.01	.13	0.0	12.	3
	Elder's Pond near Gatehouse	1	8	6.5	2	13	.04	.01	.11	0.0	12.	3
	Long Pond (at entrance to Assawompsett Pond)	2	33	6.0	3	13	.21	.03	.17	0.1	16.	3
Taunton	Tap in City Hall	1	8	5.8	2	15	.13	.03	.10	0.0	12.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Taunton Water Works	Filter Basin	2	8	5.8	2	18	.09	.01	.15	0.2	16.	3
	Prospect Hill Distribution on Res.	0	6	6.1	2	15	.10	.02	.12	0.0	13.	3
Tisbury	Lake Tashmoo near P.S.	0	1	6.5	7	37	.05	.00	.02	0.5	35.	3
Wakefield	Crystal Lake, Raw Water	3	18	7.0	19	46	.10	.04	.13	0.4	29.	3
	Final Effluent, of Sand Filters	1	6	7.0	20	55	.02	.01	.07	0.7	31.	3
	Tap in Public Works Building	1	5	6.8	10	29	.14	.01	.01	0.3	17.	3
Wareham (Onset)	Johnathan Pond	0	3	6.8	4	13	.02	.00	.03	0.0	9.5	3
Westborough	Sandra Pond, Tap	1	10	6.6	3	35	.11	.00	.12	0.1	65.	3
Westfield	Montgomery Res. near Gatehouse	1	50	6.8	5	13	.43	.02	.18	0.0	5.5	2
	Granville Res. Surface at Dam	1	9	6.6	4	9	.13	.01	.07	0.0	4.8	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19** 69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Westfield	Tekoa Reservoir, near Gatehouse	2	40	6.6	4	10	.42	.01	.15	0.0	4.3	2
	Sackett Reservoir, near Gatehouse	2	12	6.3	5	8	.26	.00	.08	0.0	7.5	1
Westminster	Meetinghouse Pond, Tap in Town	2	12	6.4	3	20	.22	.04	.08	0.1	5.3	2
West Newbury	Tap in Town, Haverhill Supply	-	-	-	-	-	-	-	-	-	-	-
Weston	M.D.C. at Wellesley St.	1	5	6.7	4	20	.03	.00	.05	0.1	8.3	3
West Springfield	Bear Hole Brook Res. Raw Water	2	12	7.4	45	70	.11	.15	.11	0.0	22.	3
	Bear Hole Brook Reservoir, Filtered	0	7	7.5	49	73	.01	.01	.04	0.1	20.	3
	Tap in Town	1	3	7.6	38	66	.07	.01	.03	1.3	14.	3
West Stockbridge	East Mountain Res. Direct	0	7	7.0	15	31	.01	.00	.03	0.2	0.8	3
Weymouth	Great Pond, Tap on Low Lift Pump	6	65	6.0	4	25	1.0	.55	.29	0.3	17.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface **Water Sources for Year 19**69

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
(Cont'd)												
Weymouth	Coagulated Water-Entrance to Filters	2	22	6.1	3	37	.07	0.6	.17	0.3	19.	3
	Final Effluent, Tap in P.S.	0	3	6.5	9	41	.00	.25	.14	0.3	17.	3
Williamsburg	Unquemonk Brook Res. Tap in Town	1	6	6.7	16	20	.15	.00	.05	0.0	4.3	3
Williamstown	Paul Brook	0	3	7.5	24	39	.01	.00	.04	0.4	2.3	3
	Rattlesnake Brook Reservoir	0	4	7.7	74	84	.01	.00	.05	0.0	1.5	3
	Tap in Town, High Service	1	3	7.7	77	89	.02	.00	.03	0.2	2.5	3
Winchendon	Upper Naukeag Lake, Tap in P.S.	2	15	5.6	1	10	.47	.12	.04	0.0	4.0	1
Winchester	North Reservoir	1	5	6.7	4	22	.09	.01	.04	0.1	5.2	3
	Middle Reservoir	2	11	6.5	4	22	.14	.02	.08	0.1	8.3	3
	SO. Reservoir near Gatehouse	1	3	6.4	4	23	.07	.02	.08	0.1	6.8	3
	Tap on High Service-MDC Supply	1	10	9.5	35	21	.06	.01	.13	0.2	7.8	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1969

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter							No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	
Woburn	Horn Pond near P.S.	2	15	7.8	32	81	.09	.08	.09	0.6	98.	3
Worcester	Holden Reservoir #2 Lower	1	15	6.6	4	20	.15	.05	.08	0.0	6.0	3
	Kendall Reservoir	1	15	6.5	4	18	.20	.05	.12	0.1	6.0	3
	Pine Hill Reservoir	4	18	6.8	7	23	0.5	.02	.13	0.2	8.3	3
	Quinapoxet Reservoir	2	33	6.6	5	22	0.6	.09	.19	0.0	6.8	3

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Report of Routine Chemical and Physical Analyses of

PUBLIC WATER SUPPLIES

in Massachusetts

1970

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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH

DIVISION OF ENVIRONMENTAL HEALTH

ROOM 320

600 WASHINGTON STREET

BOSTON, MASSACHUSETTS 02111

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This report presents average values of the chemical and physical analyses of water samples collected in 1970 from public water supply sources in the Commonwealth of Massachusetts. Analyses were performed by the Lawrence Experiment Station of the Department of Public Health as part of the Department's program of surveillance of public water supply quality.

The report is divided into two parts.

PART I Ground Water Analyses

PART II Surface Water Analyses

PART I

GROUND WATEP ANALYSES

1970

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Abington	G. P. Well #2 - Walnut St.	3	40	6.1	24	54	1.0	.68	---	1.0	35.		1
Abington-Rockland	G. P. Well #1 - Pembroke	7	15	6.2	20	52	1.2	.36	.19	0.0	102.	28.	2
	G. P. Well #3 - Pembroke	0	5	6.3	14	24	2.0	.14	.16	0.0	23.	12.	1
	G. P. Well #2 - Abington	2	22	6.1	21	67	1.0	.65	.11	1.2	37.	16.	2
	G. P. Well #3 - Fox's Pit - Raw	2	95	5.9	16	53	6.1	.55	.25	0.0	46.	18.	2
	G. P. Well #3 - Fox's Pit - Finished	1	45	6.6	38	78	.13	.38	.21	0.0	43.	18.	1
	Tap on System	1	6	6.6	7	20	.05	.01	.03	0.0	26.	15.	2
	Joint Supply-Tap in Abington	3	27	6.2	22	71	.32	.71	.09	1.0	35.	19.	2
	Joint Supply - Tap in Rockland	0	12	6.3	16	40	.46	.00	.04	0.1	32.	30.	2
Acton	G. P. Well #1 off Mass. Ave.	0	17	5.9	18	69	.03	.12	.09	0.5	44.	20.	2
	Conant G. P. Well - Tap in P. S.	0	4	5.9	12	39	.09	.21	.02	0.5	35.	26.	3
	G. P. Well - Lawsbrook Rd.	0	0	6.2	9	38	.00	.00	.00	0.5	28.	18.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Adams	G. P. Well #1 - Tap in P. S.	0	2	7.8	101	110	.02	.01	.00	0.5	4.2	2.0	3
Amesbury	Raw water - Tubular Wells at Powow River	13	117	6.7	34	50	4.5	.21	.10	0.0	15	8.0	3
	Weir Filtration Plant Overflow of Settling Tank at	1	15	6.4	26	45	.77	.13	.09	0.0	21.	8.0	3
	Tap in P. S. - Filtered Water	0	3	7.5	49	48	.19	.01	.02	0.0	2.1	—	3
Amherst	G. P. Well at Lawrence Swamp	0	2	6.6	24	35	.19	.01	.01	0.0	4.2	—	3
	Grand developed well at Lawrence Swamp	0	3	6.2	12	25	.01	.00	.01	0.2	7.0	4.5	3
Andover	Abbott G. P. Well- Tap in P. S.	0	0	8.8	42	54	.00	.00	.00	1.4	28.	--	1
Ashland	G. P. Well #4 at Hopkinton Res.	0	15	6.0	7	18	.02	.00	--	0.3	16.	--	1
	G. P. Well #5 at Hopkinton Res.	0	12	6.0	7	22	.02	.00	--	0.3	19.	--	1
Athol	New South St. G. P. Well	0	3	6.5	19	40	.16	.58	.15	0.9	21.	12.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Attleboro	G. P. Well #1, Holden St. North-Raw	6	87	6.3	12	31	3.7	.07	.13	0.2	6.3	—	3
	G. P. Well #2, Holden St. South - Raw	4	37	6.3	22	32	1.1	.13	.19	0.3	19.	18.	3
	G. P. Well 1 & 2, Holden St. Combined-Finished	2	35	7.1	51	28	1.7	.08	.16	0.2	16.	—	3
	G.P. Well, Bank St. - Raw	6	33	6.2	16	33	2.0	16	.23	0.5	19.	13.	3
	G. P. Well, Bank St. Finished	0	25	7.2	53	27	1.8	.16	.10	0.5	26.	—	3
	G. P. Well #2, So. Attleboro - Raw	0	0	6.0	10	40	.01	.15	.01	0.3	27.	15.	2
	G. P. Well #3, So. Attleboro - Raw	0	0	5.9	8	43	.07	.01	.01	0.3	37.	15.	2
	G. P. Well #4, So. Attleboro - Raw	0	0	6.0	10	43	.01	.11	.01	0.4	33.	17.	2
	G. P. Well #5, So. Attleboro - Raw	0	0	5.9	10	55	.00	.00	.00	0.8	47.	21.	2
	G. P. Well #6, So. Attleboro - Raw	1	3	6.2	15	57	.23	.03	.02	1.0	36.	15.	2
	G. P. Well #7, So. Attleboro - Raw	3	13	6.3	11	37	.84	.16	.08	0.0	29.	13.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Auburn	G. P. Well #1 - Tap in P. S.	0	0	7.1	99	197	.01	.00	.00	4.2	190.	72.	3
	G. P. Well #3 - Tap in P. S.	0	2	7.1	78	169	.01	.00	.00	4.8	132.	84.	3
	G. P. Well #4 - Tap in P. S.	1	5	6.5	43	91	.12	.08	.00	1.5	53.	15.	3
	Tap on Griggs Water System	0	3	6.0	42	92	.01	.00	.01	7.5	3.3	—	3
Avon	G. P. Well #1 off Rte. 28	0	2	6.0	22	79	.01	.00	.00	5.7	80.	36.	3
	G. P. Well #2 off Rte 28	0	8	6.2	42	78	.13	.83	.10	1.4	43.	21.	3
	G. P. Well #3 - Drive-In Theatre	0	0	6.3	20	82	.00	.02	.08	3.4	70.	28.	1
	G. P. Well #4 - Connelly St.	0	0	6.3	29	62	.01	.00	.00	1.6	40.	16.	1
	Old Dug Well	0	2	5.6	10	43	.12	.00	.00	1.6	48.	27.	3
	Tap on System	0	0	6.2	23	73	.10	.12	.00	3.7	63.	27.	2
Ayer	G. P. #1 - Tap at Well	3	17	6.9	55	65	.78	1.1	.05	0.3	24.	--	3
	G. P. Well #2 - Tap in P. S.	5	20	6.9	58	60	1.2	1.5	.33	0.0	24.	--	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Ayer - Ft. Devens	Patton, G. P. Well	0	3	7.0	102	125	.02	.01	.00	0.4	19.	5.6	3
	Shebokin G. P. Well	0	18	7.2	73	83	.16	.09	.01	0.0	63.	2.6	3
	McPherson Well	0	0	6.7	33	100	.01	.00	.00	0.8	49.	10.	3
Barnstable (Water) Co.	G. P. Well Mahar Diesel	0	0	5.9	10	18	.15	.05	.03	0.6	15.	14.	3
	G. P. Well Straightway	0	0	5.8	5	18	.03	.05	.02	2.2	18.	13.	2
	G. P. Well Hyannisport	0	0	6.1	10	24	.01	.00	.00	1.7	17.	12.	1
	G. P. Well #1 - Mary Dunn	1	3	5.4	5	17	.40	.05	.07	0.1	13.	9.0	2
	G. P. Well #2 - Mary Dunn P. S.	;	3	6.0	5	12	.21	.04	.01	0.1	15.	9.5	2
	Tap on System	0	0	6.1	10	18	.20	.02	.01	0.7	17.	13.	2
Barnstable(Fire Dis.)	G. P. Well - Phinney's Lane	0	0	6.0	7	14	.04	.00	.00	0.2	18.	8.5	2
	G. P. Well K	0	3	6.2	3	11	.00	.00	.00	.00	11.	8.5	2
	Tap on System	0	0	6.1	6	11	.10	.00	.00	0.0	14.	8.5	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Bedford	G. P. Well #1-Page School	0	16	6.2	22	58	.04	.36	.10	1.8	50.	30.	3
	G. P. Well #3-Mitre Well-Rte. 62	0	2	6.0	24	88	.14	.22	.03	3.1	93.	28.	3
	G. P. Well #4	0	0	6.1	10	37	.02	.01	.00	0.8	30.	14.	2
	G. P. Well #5	0	0	6.1	10	36	.04	.00	.01	0.6	25.	15.	2
	Dug Well #6	2	3	6.1	15	46.	.19	.21	.02	0.9	35.	14.	3
	G. P. Well #7-Middlesex Turnpike	0	5	6.1	23	54	.01	0.4	.11	0.4	55.	32.	3
	G. P. Well #8-Middlesex Turnpike	0	7	6.0	19	43	.25	.13	.09	0.3	42.	18.	3
	G. P. Well #9	0	5	6.1	17	52	.06	.00	.00	0.9	30.	—	1
Belchertown	Tub Wells-Tap in P. S.	0	0	6.2	22	98	.01	.01	.01	1.1	92.	22.	3
	(State School) Tub. Wells before treatment	1	10	6.3	20	53	.38	.16	.02	0.2	27.	8.0	3
	Tub. Wells after treatment	1	9	7.4	54	52	0.6	.14	.01	0.2	29.	25.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Bellingham	G. P. Well #1, Tap in P. S.	0	2	6.3	20	29	.01	.00	.01	0.5	9.3	5.1	3
	G. P. Well #2, Tap in P. S.	2	8	6.4	15	21	.21	.06	.03	0.1	4.3	3.9	3
	New G. P. Well #3	0	3	6.3	21	34	.03	.03	.01	1.4	10.	6.4	3
	New G. P. Well #4in P. S.-Wrentham Rd.	0	2	6.4	16	24	.03	.00	.01	0.7	5.7	3.9	3
	New G. P. Well #5, Taunton St.	0	3	6.3	21	29	.02	.01	.00	1.4	14.	9.	3
Berkley	G. P. Well, Tap on System	0	3	6.4	18	111	.07	.00	.02	13.	9.0	7.0	3
Bernardston	Dug Well, Tap in P. S.	1	2	6.3	8	21	.06	.00	.01	0.1	5.8	2.0	3
	Gravel developed well, Tap in P. S.	2	3	6.4	8	17	.18	.00	.02	0.1	3.7	2.5	3
Billerica M.C.I.	Tap in Engineer's Office	0	9	6.4	19	57	.05	.03	.07	3.9	39.	18.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Blackstone	G. P. Well #1, Tap in P. S.	0	2	6.0	14	30	.01	.00	.01	1.6	11.	10.	3
	G. P. Well #2, Tap in P. S.	0	2	6.0	13	26	.02	.03	.03	1.9	21.	12.	3
	G. P. Well #3, Tap in P. S.	1	6	6.1	11	20	.26	.11	.03	0.1	7.0	5.1	3
Bourne (Water Dist.)	G. P. Well, Pocasset	0	2	6.3	15	35	.03	.01	.00	0.0	7.2	—	3
	G. P. Well, Rte 28A, Cataumet	0	2	6.3	6	18	.02	.01	.01	0.2	23.	12.	3
	Tap in Water Dist. Office	1	0	11.	84	42	.02	.01	.00	0.1	13.	6.5	2
	Bourne Town Forest	0	0	6.0	6	14	.01	.00	.00	0.1	11.	6.5	1
Bourne (So. Sagamore)	Tubular Wells, Rte. 6A	0	0	6.4	10	24	.02	.00	.00	0.7	13.	6.5	2
Bourne (Buzzards Bay W.D.)	G.P. Tub. Wells-Bournedale Rd.	0	2	6.1	5	7	.02	.00	.01	0.1	8.8	6.0	2
	G. P. Well, Head of Bay Rd.	0	0	6.0	7	10	.00	.00	.00	0.1	9.0	6.5	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Bourne (Buzzards Bay W.D.)	Tap in Water Dist. Office	0	0	6.0	7	12	.06	.00	.00	0.5	11.	6.5	1
	G. P. Well, Puritan Rd.	0	3	6.1	8	12	.01	.00	--	0.5	9.5	--	1
Bourne (No. Sagamore)	Tubular Wells, Tap	0	0	6.1	11	18	.35	.00	--	1.3	24.	--	1
Boylston (Morningdale D.)	G. P. Well #1, Tap in P. S.	0	2	6.4	21	37	.01	.00	.01	0.8	18.	8.0	3
	New G. P. Well #2 off Rte 70-140	6	17	6.3	13	29	0.5	.00	.03	1.1	15.	7.5	3
Boylston (Water Dist.)	G. P. Well, Tap in P. S.	0	0	6.2	20	36	.01	.01	.01	0.5	15.	7.0	2
Braintree	G. P. Well, Lakeside Ave.	1	6	6.1	18	79	.42	.19	.03	0.5	110.	64.	3
Braintree (Norfolk City Hosp.)	G. P. Wells	0	1	6.5	49	63	.02	.03	.01	1.4	12.	10.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Burlington	Tub. Well, Great Meadow Rd. P. S.	1	11	6.3	65	115	.47	0.6	.15	0.5	180.	73.	3
	Tub. Wells, Wyman St.	0	2	6.3	42	128	.11	.05	.04	3.7	82.	32.	3
Canton	G. P. Well #4, Pecumit St. P. S.	0	4	6.4	39	75	.02	.00	.01	2.4	26.	15.	2
	G. P. Well #5	0	5	6.3	26	54	.01	.00	.04	0.4	9.0	--	1
	G. P. Well #6	0	0	6.5	24	38	.01	.00	.02	0.5	9.0	--	1
	Tap in Town Hall	1	7	6.7	13	30	.22	.02	.04	0.3	11.	5.5	1
Chatham	G. P. Well #1, 1945	0	0	6.4	7	13	.05	.01	.00	0.0	19.	9.3	2
	G. P. Well #2 1949	0	0	6.0	7	13	.04	.02	.00	0.0	19.	9.3	2
	G. P. Well #3 1966	1	3	6.0	9	13	.09	.00	.02	0.0	19.	9.3	2
	Tap on System	0	0	6.5	15	20	.26	.00	.02	0.0	17.	9.0	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Chelmsford Center (Water Dist.)	G. P. Well, Turnpike Rd.	0	5	6.1	17	51	.03	.13	.07	2.4	31.	18.	2
	G. P. Well, Jordan Rd. West Chelmsford	0	0	6.4	16	39	.01	.00	.01	1.9	25.	17.	2
	G. P. Well, Warren Ave.	2	8	6.2	14	55	.41	.23	.07	2.1	33.	18.	2
	G. P. Wells, Mill Rd.	0	5	6.2	17	51	.02	.01	.03	1.9	26.	14.	2
	G. P. Well, Canal St.	1	15	6.3	24	43	.46	.08	.03	0.1	18.	8.8	2
	Smith St. Well before treatment	3	68	5.9	13	88	1.1	.36	.34	0.2	40.	21.	2
	Crooked Spring Rd. Well	1	0	6.4	31	88	.07	0.5	.02	5.9	46.	23.	2
Chelmsford (No. F.D.)	G. P. Well #1, Bomil Field	2	7	6.1	12	65	.23	.02	.00	5.3	98.	35.	3
	G. P. Well #2, Bomil Field	0	2	6.3	14	45	.02	.02	.02	1.0	65.	26.	3
	G. P. Well #3, Bomil Field	0	2	6.4	18	62	.02	.21	.08	1.5	90.	61.	3
Chilmark	Tap on System	1	0	6.4	13	16	.11	.00	.00	0.2	27.	13.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cohasset	G. P. Well #1, Sohier St.	1	3	6.6	34	61	.31	.01	.01	1.3	39.	22.	3
Colrain Fire District	Tubular Wells near North River	0	7	7.2	54	63	.13	.02	.03	0.1	6.5	3.8	2
Colrain-Griswaldville Water Dist.	Gravel developed well, Tap in P. S.	0	2	6.9	26	33	.01	.00	.01	0.0	1.2	—	3
Colrain Kendall Co.	Deep Tubular well at Griswaldville	0	2	7.1	70	95	.02	.00	.00	1.1	22.	9.	3
	Deep Tubular Well at Lyonsville	0	2	7.6	79	92	.02	.01	.00	0.0	6.3	—	3
Concord Kalmia Woods	Tap in District	0	0	8.2	35	25	.08	.00	.01	0.2	11.	—	3
Concord Water Dept.	G. P. Well, Tap in P. S.	0	1	6.4	12	22	.11	.00	.04	0.3	8.5	6.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cotuit	G. P. Well, Old King's Highway	0	2	6.1	7	14	.05	.01	.00	1.4	16.	8.	3
	G. P. Well, High St.	0	2	5.7	7	15	.01	.00	.02	0.4	13.	6.7	3
	5 G. P. Wells, Rte 28	0	8	5.8	9	14	.35	.00	.02	0.2	13.	6.5	2
	Tap on System	0	5	5.8	8	17	.04	.00	.01	1.3	14.	9.	3
Danvers	G. P. Well #1	0	14	7.0	85	131	.06	.25	.03	1.3	35.	19.	3
	G. P. Well #2	1	23	7.0	69	99	0.9	.64	.13	0.2	32.	18.	3
Dartmouth	G. P. Well #1, Chace Rd.	0	8	6.7	14	31	.02	.31	.02	.6	11.	8.2	3
	G. P. Well #2, Chace Rd.	0	0	6.7	9	25	.02	.00	.00	0.4	12.	7.2	3
	G. P. Well #3, Chace Rd.	0	9	6.0	9	21	.08	.00	.01	0.5	10.	6.5	3
	G. P. Well #4, Rte 6	0	20	6.1	8	23	.06	.01	.15	1.1	7.5	5.5	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
DEDHAM	G. P. Well #1, Dover Rd.	0	2	6.4	22	76	.10	.08	.01	2.3	91.	80.	3
	G. P. Well #2, Rock Meadow	0	18	6.0	13	90	1.0	.06	.01	3.9	110.	--	1
	G. P. Well A, Bridge St.	0	13	6.5	23	52	.22	.53	.14	0.7	30.	16.	2
	G. P. Well B, Bridge St.	0	0	6.6	22	61	.5	.02	.00	1.8	31.	8.	2
	G. P. Well D, Bridge St.	0	22	6.2	27	42	.50	.50	.18	0.3	34.	--	1
	G. P. Well E, Bridge St.	0	8	6.3	26	44.	.30	.94	.08	0.2	25.	--	1
	G. P. Well F, Bridge St.	1	14	6.5	24	55	.86	.34	.16	1.3	27.	14.	2
	G. P. Wells ABCDEF - treated	1	7	6.4	22	52	.27	.38	.09	1.1	32.	18.	2
	G. P. Well #1, Whitelodge	0	0	6.3	28	67	.01	.01	.00	0.9	28.	16.	2
	G. P. Well #2, Whitelodge	0	10	6.2	46	86	.26	1.8	.26	0.2	28.	--	1
	G. P. Well #3, Whitelodge	0	6	6.4	44	81	.01	.76	.13	0.4	35.	18.	2
	G. P. Well #4, Whitelodge	0	2	6.2	41	72	.02	.74	.09	0.3	29.	--	1
	Tap on System	0	10	6.4	22	50	.33	.41	.07	1.1	32.	18.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Deerfield (Fire Dist.)	North Springs from Coll. Well	0	0	6.4	22	36	.02	.00	.01	0.0	4.7	4.2	2
	Harriss Spring	0	2	6.4	13	49	.01	.00	.00	5.6	9.0	2.9	3
	Tap at Deerfield Academy	0	2	6.7	17	49	.02	.00	.00	2.2	5.8	3.1	3
	Tubular Wells off Sugarloaf St.	0	0	6.3	12	87	.00	.00	.01	9.1	30.	14.	3
Dennis	G. P. Wells, Main St. Bass River Rd.	0	0	6.3	6	14	.00	.02	.00	0.3	23.	13.	1
	G. P. Sub #1-Old Chatham Rd.	0	0	6.1	4	8	.00	.00	.01	0.4	16.	11.	1
	G. P. Sub #2, Old Chatham Rd.	0	5	5.9	4	12	.00	.00	.02	1.6	17.	11.	1
	G. P. Sub #3, Old Chatham Rd.	0	0	6.1	4	8	.00	.00	.01	0.2	14.	8.0	1
	G. P. Sub #5, Rte 134	0	0	6.1	5	20	.00	.00	.00	0.1	21.	12.	1
	G. P. Sub #6, So. Dennis Rd.	0	0	6.1	5	8	.00	.00	.01	0.2	20.	12.	1
	G. P. Sub #7, Airline Rd.	0	0	6.0	4	8	.00	.00	.01	0.0	15.	8.0	1
	G. P. Sub #8, Airline Rd.	0	0	5.9	3	8	.00	.00	.01	0.0	16.	9.0	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Dennis	G. P. Sub #9, Grassy Pond Drive	0	0	5.9	4	8	.02	.00	.01	0.0	16.	9.5	1
	Tap on System	0	0	6.5	9	18	.00	.00	.00	0.3	25.	13.	1
Dighton(B.C.A.)	G. P. Well, Tap in P. S.	0	2	6.5	34	96	.03	.00	.00	8.2	16.	8.0	3
Dighton W.D.	Tubular Wells, Somerset Ave.	0	5	6.2	13	43	.03	.00	.04	0.6	30.	5.8	3
	G. P. Well, Cedar St.	0	6	6.2	18	30	.08	.01	.02	0.5	5.2	4.5	2
	Tap on System	0	8	6.2	16	34	.23	.03	.02	0.4	4.5	—	2
Douglas	Tub. Wells, Tap in P. S.	0	1	6.3	14	32	.01	.00	.00	1.6	15.	10.2	3
Dover	Drilled Well, Tap in Town Hall	12	15	6.6	34	162	.96	.00	.13	1.5	198.	74.	3
Dover (McNamara W.W.)	Drilled Well, Tap on System	0	0	6.2	19	41	.02	.00	.01	1.7	23.	10.	2
Dover (Water Co.)	Tubular Well, Tap on System	0	0	7.2	41	44	.03	.00	.01	1.2	39.	35.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Dover (Water Works, Inc.)	Dug Well, Picardy Rd.	0	6	6.4	16	23	.08	.00	.02	0.4	19.	13.	3
	Tap on System	0	0	6.7	3;	70	.02	.00	.00	0.4	16.	12.	1
Dracut	Tap in Town	0	0	6.3	17	38	.01	.00	.02	0.9	19.	3.8	1
	G. P. Wells, Tyngsboro	0	5	6.5	21	36	.01	1.3	.50	0.7	27.	11.	1
	New Boston, G. P. Well	0	0	6.3	17	36	.02	.00	.02	1.0	11.	3.5	1
Dudley	Tubular Wells, Tap in P. S.	0	1	6.5	18	27	.02	.05	.01	0.6	7.8	5.0	3
	G. P. Well #1, Tap in P, S.	0	0	6.1	15	41	.03	.01	,01	1.7	18.	13.	2
	G. P. Well #2, Tap in P. S.	0	5	6.3	16	30	.02	.02	.01	1.4	12.	8.7	2
	G. P. Well #3, Tap in P. S.	0	2	6.1	11	34	.01	.00	.01	2.0	17.	—	2
Dunstable	Tubular Well, Tap in P. S.	1	9	6.2	25	50	.28	.91	.11	0.9	26.	13.	4

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Duxbury	G. P. Wells, Mill Brook	0	0	6.2	9	20	.03	.01	.01	0.4	19.	13.	2
	G. P. Well, Partridge Rd.	1	0	6.1	8	32	.15	.00	.01	1.2	31.	15.	2
	G. P. Well, Lake Shore Drive	0	2	6.0	6	27	.01	.04	.03	1.3	19.	10.	3
	G. P. Well, Depot St.	0	2	6.0	7	31	.02	.19	.01	0.6	37.	21.	2
	Tubular Wells, Millbrook	6	10	6.5	9	27	.65	.00	.02	0.4	19.	14	2
	Tap in Town Hall	0	0	6.5	22	67	.02	.05	.00	0.7	38.	22.	2
East Bridgewater	G. P. Well #1, Pond St.	0	5	5.7	12	28	.18	.02	--	0.4	14.	--	1
East Brookfield	Dug Well, Town Supply	1	12	6.2	6	14	.33	0.8	.10	0.1	22.	4.5	1
	G. P. Wells, Tap in P. S.	11	23	6.2	6	16	.94	.06	.06	0.1	22.	5.0	1
East Chelmsford	G. P. Well	6	40	6.6	48	99	1.2	.31	.10	0.1	51.	17.	3
Eastham	Driven Wells	23	24	6.0	10	40	1.4	.01	.10	4.4	43.	24.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Easthampton	New G. P. Well #2	0	4	8.2	39	57	.02	.00	.04	1.1	4.0	2.9	3
	Tubular Wells, Tap in P. S.	0	3	7.8	47	68	.03	.00	.01	1.1	7.5	3.6	3
	Gravel developed well, Hendricks St.	0	3	8.0	56	83	.02	.00	.00	0.4	7.3	3.3	3
Easton	G. P. Well #1, Center St.	0	3	5.8	18	26	.23	.03	.03	1.1	15.	11.	3
	G. P. Well #2, Washington St.	0	2	6.3	21	42	.04	.00	.01	4.4	25.	—	3
	G. P. Well #3, Red Mill Rd.	0	3	6.4	25	23	.02	.00	.00	0.3	11.	—	3
	Tap on System, Parkview School	0	0	6.2	16	44	.03	.00	.00	0.3	13.	11.	1
Edgartown	Dug & Tubular Wells, Wintucket	0	2	7.8	55	15	.02	.00	.01	0.0	15.	—	3
	G. P. Well #1, Shurtleff Elec.	0	0	6.5	40	30	.01	.12	.14	4.1	35.	34.	1
	G. P. Well #2, Shurtleff Gas	0	0	5.6	10	35	.05	.03	.76	5.7	23.	20.	3
	G. P. Well, Mashacket	0	0	6.0	8	14	.01	.00	.01	0.1	10.	8.3	3
	Tap on System	0	0	6.7	20	8	.26	.00	.02	0.1	9.0		2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Essex	Tap in Fire Station	3	45	6.3	35	38	1.7	.46	.16	0.0	21.	14.	1
	G. P. Well #2	5	35	6.1	25	32	1.4	.44	.16	0.0	15.	11.	1
	G. P. Well #3	3	25	6.4	33	42	.68	.44	.16	0.0	23.	16.	1
Fairhaven	Tubular Wells near Nasketucket River	0	38	5.7	12	43	.10	.05	.33	3.0	15.	8.2	3
	Tubular Wells near Mattapoisett River	0	12	5.9	13	31	.48	.20	.06	1.3	14.	8.5	3
	Tap on System	0	28	5.9	14	36	.46	.17	.12	1.3	14.	8.5	2
Foxborough	G. P. Well #1 P.S. #1, Chestnut St.	0	2	6.0	15	45	.03	.10	.01	1.4	19.	9.0	3
	G. P. Well #2 P. S. #1, Chestnut St.	0	7	5.9	15	36	.15	.29	.03	2.1	23.	9.5	2
	G. P. Well #4 P. S. #2 off South St.	0	0	5.8	8	21	.01	.02	.01	0.5	15.	8.9	2
	G. P. Well #6 P. S. #2 off South St.	0	3	5.8	10	24	.02	.21	.04	0.1	14.	7.7	2
	G. P. Well #7 P. S. #3 off Oak St.	0	1	6.0	11	33	.11	.01	.01	1.0	16.	6.8	2
	G. P. Well #8 P. S. #3 off Oak St.	0	0	6.0	12	26	.02	.00	.02	0.4	17.	5.5	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1960

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Foxborough	G. P. Wells 1,2,&3 P.S.#1-Venturi Pit	0	2	6.0	14	40	.06	.15	.02	2.0	19.	9.	2
	G. P. Wells 4,5,&6 P.S.#2-1st house after treatment	0	3	5.8	9	38	.03	.00	.02	0.5	15.	9.0	1
	G. P. Well #7 P.S. #3-1st house after treatment	0	0	6.1	14	39	.11	.01	.00	0.9	16.	7.2	2
	Tap in Town Hall	0	1	6.0	13	43	.03	.00	.01	0.4	16.	8.5	2
Framingham (MCDA)	G. P. Well, Tap in P. S.	0	2	6.3	25	96	.02	.00	.00	1.9	99.	37.	3
Franklin	G. P. Wells 1&2, Beaver Pond	0	0	5.2	18	33	.12	.22	.02	0.3	15.	9.	2
	G. P. Well #3, Grove St.	0	0	6.2	14	36	.00	.00	.01	2.1	16.	8.5	2
	G. P. Well #4, Miller St.	0	0	6.2	8	26	.00	.00	.01	0.5	11.	6.7	2
	Tap in Town Hall	0	2	6.2	15	28	.10	.12	.01	0.4	14.	8.2	2
Freetown	Drilled Well #1, Assonet Bay Shores	0	11	7.1	87	127	.50	.22	.01	0.0	30.	11.	2
	Drilled Well #2, Assonet Bay Shores	0	22	7.3	88	132	.53	.20	.01	0.0	30.	11.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Gardner St. Hosp.	Tubular Wells, Tap in P. S.	0	5	5.7	5	23	.09	.08	.02	0.0	7.8	3.2	3
Georgetown	Metcalf Well	0	3	6.2	19	35	.19	.05	.01	0.2	14.	6.0	3
	New G. P. Well-Marshall	0	1	6.5	36	74	.05	.04	.03	0.4	12.	6.5	3
Gill(Riverside Water Co.)	Tap Spring	1	1	6.9	18	49	1.0	.00	.00	1.6	11.	5.7	3
Gill (Mt. Hermon School)	Tubular Wells	1	3	6.4	7	23	.10	.00	.00	0.8	5.3	3.7	3
Gosnold	Tubular Wells before treatment	0	10	7.0	14	22	.25	.00	.01	0.5	28.	19.	3
	Tubular Wells after treatment	0	3	8.6	51	24	.05	.00	.00	0.6	30.	—	4
Grafton (So. Grafton W. D.)	G. P. Well #1, Tap in P. S.	0	3	6.0	6	28	.02	.00	.01	2.2	15.	12.7	3
Grafton Water Co.	Dug Wells, Tap in P. S.	0	3	6.0	22	79	.02	.00	.01	4.9	69.	35.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Grafton Water Co.	G. P. Well #3, No. Grafton	2	10	6.0	26	61	.49	.44	.08	0.6	47.	18.	3
Granby	Deep Tubular Wells, Tap in P. S.	0	0	7.1	66	106	.00	.00	.02	1.7	11.	5.3	1
Granville	Deep Tubular Well, Tap in P. S.	0	2	7.6	40	45	.06	.00	.00	0.0	4.2	—	2
	Collecting Well & Springs-Tap	0	2	6.6	19	24	.04	.00	.00	0.0	1.6	—	1
Greenfield	Dug Well near Green River, Tap in P. S.	2	10	7.2	34	44	.23	.00	.03	0.1	2.8	1.9	3
	Mill Brook G. P. Well #1, Tap in P.S.	1	0	6.1	14	44	.11	.00	.00	0.5	20.	8.5	2
Groton (W. Groton W.S.D.)	Tubular Wells, Tap in P. S.	2	4	6.3	22	45	.22	.60	.02	1.4	4.6	—	3
Groton Water Co.	G. P. Well, Shattuck Field P. S.	2	23	6.4	24	52	.01	.04	.11	0.3	12.	5.0	3
Groton	Dug Well, Tap in P. S.	1	22	6.5	32	54	.54	.14	.07	0.1	13.	4.7	3
	Storage tank at Groton School	3	37	6.4	27	45	7.6	.09	.08	0.3	15.	9.7	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Groveland	G. P. Well #1	1	3	7.1	39	66	.27	.02	.00	0.4	6.8	5.2	3
Hadley	New G. P. Well	0	0	7.4	68	105	.00	.01	.01	2.8	8.7	6.0	2
	New G. P. Well #2-Hart's Brook Res.	0	2	7.6	68	104	.00	.00	.00	2.9	8.5	5.5	2
Halifax	G. P. Well #1	0	5	6.6	23	31	.26	.39	.07	0.0	12.	9.2	3
	Tap in Town Hall	0	5	6.7	27	35	.24	.23	.07	0.1	9.0	7.7	2
Hamilton	G.P. & Tubular Wells, Bridge St. Sta.	0	0	7.2	82	112	.03	.00	.00	0.8	19.	12.	1
	School St. Well, Tap in P. S.	0	3	6.5	46	88	.02	.00	.00	2.8	22.	13.	2
	Patton G. P. Well	1	10	6.4	41	70	.18	.55	.02	0.1	15.	10.7	3
	Pleason Pond-Caisson Well	0	2	7.1	98	134	.13	.05	.01	0.4	16.	11.	3
Hanover	G. P. #1 Hanover St.	0	10	6.1	14	61	.06	.00	.04	1.6	43.	20.	3
	G. P. Well #2, Hanover St.	0	15	6.1	12	51	.08	.00	.10	0.3	19.	7.6	3
	G. P. Well #1, Pond St.	1	230	6.1	24	60	6.0	1.0	1.5	0.0	6.0	--	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Hanover	G.P. Well #2, Pond St.	0	55	6.2	23	50	.22	.82	.01	0.7	55.	--	1
	G.P. Well #1, Tindale	1	5	6.3	16	47	0.5	.02	.00	0.5	21.	9.5	3
	G.P. Well #2, Tindale	3	17	6.1	13	83	1.3	.71	.05	0.5	39.	19.	3
	Tap in Town Hall	0	10	6.2	20	76	.03	.02	.04	1.0	40.	18.	1
	Tap, 1st house on Hanover St.	1	23	6.2	12	59	.08	.01	.10	0.5	30.	20.	2
Hardwick (Gilbertville)	G. P. Well, New Braintree	0	2	7.4	17	23	.01	.00	.01	0.0	3.0	2.4	3
Hardwick (Water Users)	Tubular Wells from tap	0	2	6.9	63	104	.05	.00	.01	2.0	24.	10.	2
Hardwick (Wheelwright)	Tap in P. S., Tubular Wells	0	1	6.4	9	23	.02	.00	.00	0.2	6.7	2.8	3
Harvard	New drilled well	0	2	7.0	55	87	.01	.01	.01	0.7	32.	12.	3
	Tubular Wells, Tap in District	0	2	6.2	14	29	.02	.00	.01	1.0	10.	5.8	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Harwich	G. P. Wells, Tap in Old P. S.	0	0	6.4	6	19	.01	.00	.01	0.2	14.	10.	3
	G. P. Well #1	0	0	6.5	10	19	.01	.10	.03	0.1	14.	10.	3
	G. P. Well #2	0	2	6.1	9	17	.01	.00	.01	0.4	12.	9.5	3
	G. P. Well #3	0	1	6.1	6	19	.01	.00	.02	0.1	15.	9.5	3
	Tap on System	0	3	6.4	9	20	.00	.10	.08	0.1	15.	10.	1
Hatfield	G. P. Well, Linseed Rd.	0	0	7.9	91	60	.05	.06	.08	0.0	3.0	—	1
Hingham	G. P. Well #1, Free St.	0	0	6.8	35	86	.05	.00	.00	3.2	27.	14.	1
	G. P. Well, Scotland St.	0	4	6.5	22	57	.04	.06	.03	1.1	20.	12.	2
Holden	G. P. Well, Spring St.	1	9	6.7	8	18	.04	.01	.03	0.2	7.5	5.0	2
	G. P. Well, Tap in P. S.	1	3	6.7	11	17	.02	.01	.01	1.0	12.	7.2	2
	Tubular Well, Mill St.	0	0	6.2	8	18	.02	.02	.02	0.2	3.6	—	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Holliston	G. P. Well #1, Tap in P. S.	0	3	6.6	28	46	.15	.29	.06	0.5	14.	5.0	3
	G. P. Well #2, Tap in P. S.	1	2	6.1	18	43	.09	.00	.01	1.4	47.	25.	3
	G. P. Well #3, Tap in P. S.	3	6	6.3	27	41	.35	.05	.03	0.0	15.	5.7	3
	G. P. Well #4, Tap in P. S.	0	5	6.1	20	39	.07	.11	.01	0.0	14.	5.9	3
	Central St. Test Well	0	1	6.3	6	38	.01	.00	.00	0.5	32.	---	2
Holyoke	Driven Well at Wolchan St. off Rte 202	0	3	6.6	26	56	.02	.01	.01	0.0	6.8	3.4	3
Hopedale	Tubular Wells, Tap in P. S.	0	8	7.7	78	37	.28	.03	.03	1.2	14.	---	3
	G. P. Well near Mill River	0	9	7.2	52	31	.68	.31	.13	0.1	15.	---	3
Hopkinton	G. P. Well #2, Fruit St. Station	6	14	6.3	17	33	0.9	.19	.03	0.8	25.	12.	3
Hudson	Crystal Spring, Tap in P. S.	0	1	6.2	9	22	.01	.00	.00	0.3	16.	6.0	3
	Kane Well	1	3	6.2	15	32	.07	.01	.00	1.3	12.	9.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Ipswich	Tap in Mile Lane, G. P. Well P. S.	11	17	7.0	58	73	1.1	.01	.00	0.4	13.	12.	3
	Brown G. P. Well, Tap in P.S.Rte 1A	2	12	7.4	112	162	0.7	.11	.06	0.2	23.	22.	3
	Tap in Town	1	9	6.9	87	153	.02	.02	.06	0.3	5.7	—	2
	Winthrop G. P. Well	8	33	6.6	41	67	1.4	.77	.09	0.6	19.	13.	3
	Winthrop Gravel developed well	7	37	6.5	40	59	1.3	0.8	.10	0.6	17.	9.5	3
Kingston	G. P. Well #1, Soule Pond	0	2	6.4	13	19	.02	.18	.02	0.1	13.	7.5	3
	G. P. Well #2, South St.	0	5	6.4	13	21	.02	.06	.03	0.1	11.	6.8	3
	G. P. Well #3, Winthrop St.	0	5	6.2	10	23	.01	.07	.01	0.3	24.	16.	3
	Tap on System	0	0	6.5	19	30	.00	.12	.02	0.1	12.	7.0	1
Lakeville(State Hosp)	G. P. Well, Raw	0	3	6.0	20	42	0.4	.03	.01	1.2	7.0	5.8	3
	G. P. Well, Treated	0	6	6.4	35	39	.42	.01	.02	1.2	9.2	24.	3
Lakeville (Resort Supply)	Drilled well, Buena Vista Shores	0	2	6.6	40	54	.01	.03	.09	3.5	14.	13.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Lancaster Industrial School	Tap, Lancaster Supply	0	2	6.6	23	30	.05	.00	.02	0.7	5.0	4.5	2
	G. P. Well, Tap in P. S.	0	2	6.8	21	31	.00	.01	.01	0.6	7.3	4.3	3
	Tap in Town	0	2	6.9	22	34	.02	.01	.01	0.7	6.2	4.0	3
Lanesborough	G. P. Wells, Tap in P. S.	0	0	7.5	172	197	.01	.00	.01	0.4	18.	11.	3
Leicester	Well #3, Tap in P. S.	0	0	7.7	67	84	.01	.01	.03	0.3	14.	9.	2
	Jim Dandy Well	0	0	6.7	16	33	.01	.00	.02	3.6	11.	4.9	2
Lincoln	Tower Rd. Gravel well	1	4	6.5	24	63	.13	.01	.02	0.3	28.	14.	3
Littleton	Tubular Wells, Tap in P. S.	0	0	6.1	15	63	.02	.00	.01	1.6	7.1	—	2
Lowell Gen. Hosp.	Deep Tubular Well	0	1	7.1	63	80	.01	.01	.01	1.6	25.	6.6	3
	Black Brook G. P. Wells	4	15	6.2	13	71	4.2	.49	.09	0.8	134.	24.	2
	Lower Black Brook G. P. Wells	2	13	6.1	14	55	4.2	.46	.09	0.8	132	26.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Lunenburg	Tap in Town	0	2	6.3	23	118	.04	.01	.01	0.3	25.	12.	3
	G. P. Well #3 off Lancaster Ave.	0	3	6.3	18	45	.06	.02	.03	0.1	23.	12.	3
	G. P. Well #1	0	0	6.2	16	50	.01	.03	.00	0.6	33.	15.	3
	G. P. Well #2	0	3	6.4	13	27	.05	.01	.00	0.1	11.	4.3	3
Lynnfield	Tap in P. S., Phillips Road	0	13	6.9	90	141	.05	.01	.03	4.6	29.	15.	3
	G. P. Well #1, Tap in P. S.	0	7	6.4	22	79	.00	.00	.01	1.6	35.	14.	3
Manchester	G. P. Well #1 near main P. S.	0	2	6.4	28	59	.02	.12	.01	1.3	34.	17.	3
Mansfield	G. P. Well #1 main P. S.	0	4	6.2	9	19	.03	.01	.03	0.2	12.	5.3	3
	G. P. Well #2, W. Mansfield	0	2	6.3	15	35	.04	.32	.04	0.5	26.	8.5	3
	G. P. Well #3, W. Mansfield	0	2	6.5	13	31	.01	.01	.02	0.8	17.	7.0	3
	Tap in Town Hall	0	0	6.2	16	38	.03	.09	.03	0.8	16.	9.8	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Marion	G. P. Well #1, East Well, Rochester	1	15	6.0	4	11	.15	.02	.10	0.2	14.	6.0	2
	G. P. Well #2, West Well, Rochester	1	6	6.1	14	65	.37	.04	.06	0.3	13.	11.	3
	Tubular Wells, Mary's Pond Road	0	2	6.3	19	45	.11	.00	.03	0.3	15.	9.	3
	Tubular Wells, P. S. Rd., Marion	0	2	6.3	14	88	.05	.00	.02	0.4	13.	7/5	2
	Tap on System	1	10	6.1	10	18	.12	.00	.04	.04	22.	13.	1
Marshfield	Tubular Wells	0	0	6.5	19	23	.04	.00	.02	0.1	26.	11.	2
	G. P. Well #2, Parsonage St.	0	3	5.9	14	72	.03	.02	.02	0.7	120.	38.	1
	G. P. Well #1, Furnace Brook	2	0	6.4	19	41	.13	.00	.03	0.7	33.	16.	2
	G. P. Well #2, Furnace Brook	0	3	6.2	14	30	.03	.01	.02	0.6	38.	17.	2
	G. P. Well #3, Main & Furnace Sts.	1	4	6.2	12	24	.06	.00	.02	0.3	37.	17.	2
	G. P. Well #4, Wheeler Pit	0	0	6.2	16	19	.02	.00	.02	0.9	19.	10.	2
	Tap in Town Hall	1	10	6.4	15	26	.19	.00	.02	0.3	26.	12.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Mashpee	G. P. Well #1, High Wood Water Co.	0	3	6.3	8	15	.02	.03	.01	0.1	18.	10.	2
	G. P. Well #2, High Wood WaterCo.	0	5	6.5	8	20	.02	.00	.02	0.2	14.	11.	1
	Tap on System	0	0	6.5	12	22	.00	.00	.02	0.2	14.	11.	1
Mattapoisett	G. P. Well #3	0	0	6.2	12	20	.02	.00	.02	0.3	12.	6.5	2
	Tubular Well #2	1	5	6.4	17	19	.10	.00	.01	0.1	12.	7.5	2
	Tap at Town Hall	0	4	6.3	14	22	.02	.00	.01	0.3	12.	6.5	2
Medfield State Hosp.	Tubular Wells, Tap in P. S.	0	5	7.2	33	25	.04	.04	.02	0.5	9.0	[illegible]	3
	Tap on System	1	6	8.7	57	35	.12	.02	.03	0.5	15.	[illegible]	3
Medfield	G. P. Well #1	0	0	6.5	30	74	.05	.00	.00	4.2	44.	21.	1
	G. P. Well #2, Charles River	0	1	7.1	38	71	.04	.01	.01	3.7	34.	11.	3
	G. P. Well #3, Elm St.	0	4	8.6	44	43	.01	.01	.01	1.0	13.	18.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Medway	G. P. Well, Tap in P. S.	0	3	6.6	23	67	.02	.01	.00	1.3	23.	14.	3
	G. P. Well, Oakland St. P. S.	1	4	6.2	13	27	.24	.06	.04	2.8	15.	13.	3
Merrimac	Tubular Wells, Tap in P. S.	6	37	6.2	18	41	2.2	.49	.19	0.2	20.	10.	3
Middleborough	Dug Well, Raw water	7	23	6.3	20	49	.81	.17	.05	1.4	50.	29.	3
	Outlet of Coke Filter	2	7	7.0	14	49	.23	.06	.02	1.4	51.	33.	3
	Final Effluent of Sand Filters	1	2	7.0	20	46	.05	.00	.02	1.2	48.	20.	3
	G. P. Well #1, Rock Village	0	3	6.3	8	27	.01	.00	.01	1.0	38.	23.	3
	G. P. Well #2, Rock Village	0	4	6.0	9	25	.02	.00	.01	1.3	42.	24.	3
	G. P. Well #3, East Main St.	2	3	6.2	35	33	.28	.03	.01	1.2	11.	7.5	3
	G. P. Well #4, Tispaquin	0	0	6.0	10	32	.08	.02	.04	1.4	28.	14.	1
	Tap at Town Hall	0	2	6.2	14	99	.06	.03	.00	0.7	33.	18.	2
Milford	Dilla St. Well	3	13	6.3	27	32	2.9	.62	.11	0.1	14.	[illegible]	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Millbury	Dug Wells, Tap in P. S.	0	4	6.0	8	28	.03	.10	.02	0.5	30.	15.	2
	Dority Pond, G. P. Well	0	4	6.0	13	31	.01	.17	.01	1.3	76.	35.	3
	G. P. Well, Oak Pond	0	3	5.9	9	61	.01	.18	.03	1.3	91.	34.	3
	Jacques Curve, Well #1	0	2	5.7	10	65	.04	.24	.35	3.1	60.	29.	3
	Jacques Curve, Well #2	0	5	6.1	25	56	.02	.26	1.5	1.6	65.	35.	1
Millis	G. P. Well #1, Tap in P. S.	0	9	6.4	36	71	.02	.00	.04	2.0	32.	13.	2
	G. P. Well #2, Tap in P. S.	0	40	6.3	30	70	.05	.00	.24	1.6	36.	14.	1
Monson	G. P. Well #1, Bethany Road	0	3	6.4	15	34	.00	.00	.01	1.1	15.	5.8	3
	G. P. Well off Palmer Rd.	1	10	6.4	17	32	.24	.02	.08	0.3	13.	5.9	3
Monson State Hosp.	Tubular Wells before treatment	0	2	6.4	19	31	.06	.01	.01	0.6	13.	8.5	3
	Tubular Wells after treatment	1	3	6.4	19	40	.06	.01	.02	0.7	12.	8.5	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Montague(Turner Falls) Fire Dist.	G. P. Well off Central St.	1	3	7.9	54	65	.10	.23	.03	0.0	6.0	3.5	3
	Springs, Tap	0	0	6.7	23	37	.01	.00	.01	0.4	9.2	3.5	3
Monterey	Artesian Well	0	0	7.2	66	80	.02	.00	.00	0.0	4.5	3.0	1
	Reservoir	0	10	7.1	58	76	.06	.00	.12	0.3	9.0	5.5	1
Nantucket(Wannacomet Water Co.)	Tubular Wells, Treated Wylers Valley	0	3	6.6	14	27	.02	.00	.00	0.3	22.	14.	3
	Tap on System	0	3	6.6	15	26	.08	.00	.01	0.4	24.	14.	2
Nantucket (Siasconset W. Dept.)	Dug wells, Tap in P. S.	1	5	6.5	23	25	.31	.00	.01	0.4	14.	12.	2
	G. P. Well, Tap in P. S.	0	3	6.7	23	43	.03	.00	.02	1.0	18.	13.	2
	Tap on System	0	2	6.6	34	39	.00	.00	.02	1.1	21.	13.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Natick	G. P. Well, Morse's Pond, Rogers Res.	0	4	6.4	24	96	.01	.08	.03	1.8	117.	39.	3
	G. P. Well #1, Pine Oaks after treatment	0	3	6.6	54	103	.01	.13	.03	0.6	29.	14.	2
	G. P. Well #3, Pine Oaks before "	0	6	6.8	55	105	.03	.23	.04	0.3	53.	16.	2
	G. P. Wells 1 & 3, Pine Oaks after "	0	0	6.6	53	104	.02	.20	.00	0.8	55.	14.	1
	Dug Well, Springvale	0	8	7.1	52	85	.02	.43	.04	0.9	52.	24.	2
	G. P. Well #3, Springvale after trt.	0	5	7.3	55	82	.01	.14	.03	0.1	48.	21.	2
	G. P. Well #4, Springvale after trt.	0	5	7.2	56	80	.01	.28	.04	0.0	43.	21.	1
	G. P. Well #5, Springvale after trt.	0	4	7.3	58	89	.01	.26	.02	0.8	62.	27.	2
	Tap in Town Hall	0	5	6.8	49	91	.02	.02	.03	0.8	62.	22.	2
	Gravel walled well at Worcester St.	0	8	7.4	54	92	.01	.26	.06	0.6	51.	--	1
Needham	Dug well #1, Dedham Ave. P. S.	0	2	6.2	14	70	.03	.01	.00	4.0	43.	26.	3
	G. P. Well #2 Chas. R. St. P. S.	0	3	6.9	58	81	.02	.00	.02	0.9	29.	13.	2
	G. P. Well #3, Chas. R. St. P. S.	0	4	6.7	39	67	.01	.00	.00	0.6	36.	16.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Newbury	Tubular Wells, Tap in P. S.	1	10	7.6	117	142	.37	.46	.12	0.1	23.	14.	1
	Tapin rear end of Distribution System	0	3	7.1	55	85	.00	.00	.02	0.5	16.	7.	3
Newburyport	G. P. Well #1, Ferry Rd. P. S.	0	0	6.6	24	42	.03	.00	.02	0.7	12.	6.5	1
	G. P. Well #2, Ferry Rd.	0	5	6.8	40	78	.02	.00	.02	1.1	31.	11.	1
New Marlborough	Mill River Spring, Tap on System	0	1	7.6	158	153	.03	.00	.01	0.2	3.8	—	3
Norfolk MCI	G. P. Well before treatment	4	27	7.3	55	83	1.8	.11	.10	0.2	12.	5.8	3
	G. P. Well after treatment	0	2	8.4	64	93	.03	.03	.08	0.2	12.	5.8	3
	Tubular & Dug Wells	0	0	7.4	29	62	.01	.02	.00	0.3	9.0	--	1
	Dug Well	0	3	6.5	23	37	.01	.01	.03	0.5	9.5	4.7	2
	Tubular Wells	0	3	6.2	15	25	.01	.00	.02	0.1	16.	5.0	2
	Tap on System	0	0	6.7	33	51	.01	.01	.02	0.2	9.0	5.3	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground **Water Sources for Year 19** 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Norfolk (Pondville State Hosp.)	Tubular Wells, Tap in P. S.	0	3	6.6	18	105	.15	.00	.00	0.9	53.	18.	3
Norfolk	MCI & Wrentham State Sch., Tap	1	0	7.0	42	58	.08	.00	.02	0.3	17.	5.5	1
	Tap on System #1	0	0	6.7	37	80	.03	.00	.00	0.3	5.5	--	1
	Tap on System #2	0	5	6,7	34	84	.03	.00	.00	1.7	26.	--	1
North Adams	New G. P. Well	2	19	8.1	62	72	.11	.01	.03	0.1	2.2	--	3
North Attleborough	Dug Wells, Tap in P. S.	0	10	7.1	49	51	.15	.08	.03	0.5	19.	--	3
	Caisson Well #1	0	8	5.9	12	35	.07	.00	.09	1.4	36.	23.	3
	Caisson Well #2	0	6	6.1	16	55	.02	.01	.01	1.5	16.	12.	2
	Caisson Well #3	0	4	6.0	14	50	.00	.00	.02	1.7	19.	12.	2
	G. P. Well #5, Kelly Blvd.	0	4	7.2	47	54	.01	.00	.00	0.1	27.	15.	2
	Tap in Town Hall	0	12	7.1	53	39	.09	.03	.04	.05	21.	—	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Northampton	G. P. Well #1	0	2	6.6	27	40	.00	.00	.01	3.9	11.	5.2	2
	G. P. Well #2	0	0	6.5	23	30	.00	.00	.00	1.2	3.5	---	1
Northborough	Brigham St. G. P. Well	0	5	6.5	27	61	.08	.05	.02	2.7	12.	6.1	3
	Lyman St. G. P. Well	0	3	6.6	27	42	.24	.09	.02	0.4	13.	6.6	3
Northbridge	Tubular Wells at Meadow Pond P. S.	0	3	6.3	16	27	.36	.14	.08	0.3	16.	9.2	3
	Tubular Wells at Cook Allen Res.	0	1	6.0	4	12	.02	.00	.02	0.0	3.6	---	3
	New G. P. Well, Tap in P. S.	1	7	6.4	15	22	.61	.44	.28	0.2	5.3	---	3
Northfield	Tubular Wells	0	0	6.0	5	22	.02	.00	.02	0.8	11.	4.2	1
Norton	G. P. Well #1, Pine St.	0	6	6.2	15	28	.01	.19	.02	0.4	11.	7.0	3
	G. P. Well #2, Pine St.	0	0	6.2	12	18	.06	.02	.01	0.1	9.0	6.7	3
	G. P. Well #3, Newland St.	0	0	6.1	7	20	.03	.00	.01	0.3	12.	7.7	3
	G. P. Well #4, Plain St.	0	2	6.3	13	20	.02	.08	.02	0.4	9.6	9.0	3
	Tap in Post Office	0	3	6.1	18	52	.01	.00	.02	0.4	9.5	8.5	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Norton (Wheaton College)	Driven well, Tap on System	0	0	6.5	32	120	.00	.01	.02	2.6	52.	21.	2
North Reading (Rehab. Center)	Tubular Wells, Tap in P. S.	4	5	6.8	12	42	3.5	.10	.02	0.4	15.	--	1
	G. P. & Tub. Wells, Skug River	0	7	5.9	13	31	.11	.07	.05	0.9	25.	11.	3
	G. P. Well #1 at Martin's Pond	2	14	6.3	28	54	.76	.35	.10	0.6	42.	19.	3
	G. P. Well #2 at Martin's Pond	56	95	6.3	16	45	30.	.33	.15	0.3	39.	--	2
	G. P. Well at Furbush Pond	25	19	6.1	21	53	1.4	.19	.08	0.1	28.	8.5	3
Norwell	G. Developed well #1, South St.	0	3	5.5	7	96	.04	.03	.01	0.1	248.	112.	3
	G. developed well #2, Grove St.	0	2	6.2	11	27	.00	.01	.00	0.4	12.	7.5	3
	G. developed well #3, Grove St.	0	1	6.2	12	50	.01	.01	.00	0.5	18.	5.0	3
	G. developed well #4, Ridge Hill Rd.	0	2	5.9	12.	46	.01	.03	.01	2.9	42.	20.	3
	G. developed well #5, Grove St.	0	0	6.1	9	38	.01	.00	.01	1.2	23.	11.	3
	Tap on System	0	0	5.9	13	40	.00	.00	.00	1.2	20	8.0	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Norwood	G. P. Well #1, Tap in P. S.	1	5	6.4	17	130	.02	.00	.00	1.5	120.	—	1
	G. P. Well #2, Tap in P. S.	1	5	6.3	22	130	.02	.00	.00	1.5	105.	--	1
	Ellis Plant, Raw water, Ent. to filters	3	15	7.9	12	64	5.5	.02	.50	0.0	47.	—	1
	Final Effluent of Sand Filters	1	18	7.5	4	20	.30	.00	.50	0.2	8.0	--	1
	Buckmaster Pond G. P. Well	0	13	6.6	9	42	.09	.01	.16	.07	61.	42.	2
	Tap on System	1	16	6.8	4	22	.38	.02	.16	0.3	18.	17.	2
Oak Bluffs	Springs direct from pump well	1	3	6.4	8	15	.17	.01	.01	0.1	12.	7.2	3
	G. P. Wells	4	8	6.5	9	13	.77	.01	.01	0.1	11.	7.2	3
	Tap in Water Dept. Office	0	6	6.2	9	12	.40	.00	.01	0.1	12.	7.2	2
Orange	G. P. Well at Magee's Meadow	0	2	6.1	9	34	.04	.11	.02	0.5	28.	11.7	3
	Crystal Spring	0	9	6.5	4	18	.07	.00	.04	0.0	16.	5.0	3
	Tap, 16 West Myrtle St.	0	1	6.0	11	36	.02	.06	.00	0.5	31.	11.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Orleans	G. P. Well #1, Tap in P. S.	2	2	6.1	6	15	.21	.00	.02	0.0	22.	11.	3
	G. P. Well #2, Tap in P. S.	0	2	6.2	11	16	.09	.00	.01	0.0	21.	12.	3
	G. P. Well #3, Tap in P. S.	0	1	6.2	6	13	.05	.00	.01	0.0	21.	11.	3
	Tap in Town Hall	0	2	6.1	7	16	.01	.00	.01	0.0	21.	12.	3
Oxford	G. P. Well #1	0	4	6.2	18	41	.01	.01	.01	0.6	22.	10.	3
	G. P. Well #2	0	5	6.2	18	36	.02	.01	.02	1.2	22.	8.7	2
	G. P. Well, Partridge Rd.	0	0	6.6	28	32	.03	.00	.02	0.1	6.0	3.5	1
Palmer (Bondville Water Co.)	Tubular Wells	0	0	6.4	14	31	.00	.01	.01	0.8	7.2	5.5	2
Palmer (Three Rivers)	Tubular Wells, Tap in P. S.	7	12	6.6	24	33	.51	.01	.03	1.2	12.	7.8	3
	G. P. Well off Oak St.	0	2	6.6	21	43	.01	.23	.11	1.6	8.0	5.9	3
Palmer (F.D. #1)	Tubular Wells, Tap in P. S.	0	1	6.4	22	44	.00	.00	.00	1.0	14.	7.0	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Peabody	W. Pine St. Well	0	6	6.3	43	76	.01	.12	.04	0.9	36.	14.	3
	Johnson St. Well	0	14	6.7	57	91	.37	.54	.11	0.5	34.	12.	3
Pembroke	G. P. Well #1, Hobomock P. S.	3	9	6.1	12	26	.46	.11	.01	1.0	17.	6.5	3
	G. P. Well #2, Tap in P. S.	0	3	6.4	26	24	.16	.02	.00	.08	19.	14.6	2
	Tap in Town Hall	0	2	6.6	38	28	.19	.01	.00	0.8	18.	17.	2
Pepperell	Tubular Wells, Tap in P. S.	0	11	6.3	9	16	.05	.00	.05	0.2	7.3	4.0	2
Plainville	G. P. Well #1 off Rte 106	0	1	5.7	9	26	.12	.17	.06	0.8	36.	13.5	2
	G. P. Well #2 off George St.	0	6	7.7	27	20	.12	.22	.06	0.0	30.	17.	2
	Tap in Town Office	0	5	7.4	37	28	.13	.00	.02	0.4	32.	—	2
Plymouth M.C.I.	G. P. Well	1	2	5.7	4	15	.19	.00	.02	0.3	12.	7.5	3
Plymouth (W. Dept.)	G. P. Well, Wanno's Pond	1	6	6.0	7	13	.22	.04	.03	0.0	14.	8.4	2
	G. P. Well, Ship Pond	0	0	6.1	8	15	.02	.00	.00	0.0	14.	8.2	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Plymouth (Aqua Corp.)	Drilled Well, Lookout Point	0	2	6.4	7	13	.03	.00	.02	0.1	12.	6.0	3
	Drilled Well, Nameloc Heights	0	2	6.3	9	16	.10	.00	.01	0.0	13.	5.7	3
	Drilled Well, Surfside	0	4	6.0	11	21	.04	.00	.01	0.0	16.	6.0	2
	Drilled Well, Bayberry	0	1	6.0	8	27	.05	.00	.01	0.0	16.	6.5	2
	Colony Beach, Manomet	0	0	6.2	10	14	.08	.09	.01	0.0	15.	6.2	3
Provincetown	G. P. Wells, No. Truro	0	4	6.3	12	52	.26	.21	.02	0.1	125.	67.	3
	G. P. Wells, So. Hollow	0	2	6.5	6	22	.02	.00	.00	0.2	42.	14.	3
	Tap, Adams Pharmacy	0	2	6.8	19	34	.07	.00	.00	0.2	45.	20.	2
Randolph	G. P. Well #1, So. St. Holbrook	0	0	6.3	40	70	.00	.16	.10	2.7	28.	14.	2
	G. P. Well #3, So. Street	107	137	6.5	52	180	12.	1.7	.06	0.9	26.	13.	2
	Tubular Well #2, Donna Rd.	0	1	6.4	21	65	.00	.02	.02	1.3	28.	13.	2
	Devine School, No. Randolph	3	22	7.4	20	32	1.0	.00	.10	0.6	44.	30.	1
	Tap in Town Hall	1	6	7.3	18	32	.08	.00	.08	0.6	44.	30.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Raynham (No. R.)	Tubular Wells	0	2	5.8	10	21	.01	.00	.01	0.5	10.	—	3
	Caisson Well	0	2	5.9	12	39	.03	.00	.01	4.6	37.	19.	3
	Tap at 331 King Phillip St.	0	3	6.0	14	67	.01	.01	.03	0.7	13.	6.2	2
Raynham Center	Caisson Well off Elm St.	0	7	5.8	9	38	.26	.22	.03	0.7	14.	7.7	3
	Caisson Well, Johnson's Pond	0	3	5.8	10	30	.07	.10	.03	0.7	14.	7.0	3
	Tap in Town Hall	0	2	5.9	11	30	.05	.15	.02	0.7	12.	9.4	2
Reading	P. S. #1 at 100 Acre, Raw water	5	95	6.1	27	59	13.3	.56	.20	0.2	43.	17.	3
	Effluent of Aeration	21	250	6.3	27	55	16.	.49	.48	0.1	55.	27.	3
	Effluent, Sed. Basin	0	33	9.2	75	47	.54	.02	.35	0.1	122.	104.	3
	Effluent, San Filter	0	20	9.0	52	37	.02	.02	.16	0.3	125.	95.	3
	Revay Meadow, G. P. Well #1	0	37	6.3	35	121	.32	.78	.12	2.9	140.	81.	4

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Rockport	Tubular Wells, Raw water	0	7	6.2	14	27	.06	.07	.05	0.4	21.	13.	3
	Tubular Wells, treated	1	12	8.6	46	59	.09	.07	.05	0.4	21.	13.	3
Rowley	Tubular Wells, Tap in P. S.	0	2	7.3	87	133	.12	.00	.00	0.7	36.	13.	3
	New G. P. Wells at Rtes 17 & 133	5	10	6.5	31	78	.76	.00	.00	1.1	69.	28.	3
Royalston	Tap in P. S.	7	23	7.3	51	61	1.6	.25	.12	0.0	17.	—	3
Russell	G. P. Well #2	7	20	7.2	36	47	.73	.03	.02	0.6	13.	3.7	3
Rutland	Cool Sandy Beach Supply, Tap	0	3	7.7	69	58	.03	.00	.03	0.0	3.3	—	2
Salisbury	G. P. Well #5, Tap in P. S.	1	6	6.6	21	30	.22	.00	.00	0.2	25.	11.	2
	G. P. Well #6, Tap in P. S.	0	0	6.4	25	61	.03	.01	.00	0.6	63.	29.	3
	G. P. Well #7, Tap in P. S.	0	4	7.5	62	77	.09	.00	.00	0.3	18.	4.4	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Sandwich	2 G. P. Wells, Tupper Rd.	0	3	6.0	10	18	.09	.00	.02	0.4	25.	12.	2
	G. P. Well 6A	0	0	6.6	22	.23	.17	.00	.03	0.1	19.	9.0	2
	Tap in Town Hall	0	0	6.2	10	18	.05	.00	.03	0.4	18.	9.0	2
Scituate	G. P. Well #2, Kent St.	0	0	6.5	35	76	.01	.00	.01	0.8	50.	32.	1
	G. P. Well #10	0	4	6.6	25	81	.09	.01	.00	1.4	74.	23.	4
	G. P. Well #11	0	3	6.6	39	56	.01	.01	.00	1.0	37.	17.	4
	G. P. Well #17	0	14	6.5	20	39	.03	.07	.07	0.2	25.	23.	2
	G. P. Well #18A	0	3	6.4	13	58	.02	.00	.00	0.3	66.	25.	4
	G. P. Well #19	0	3	6.4	23	63	.03	.01	.00	1.5	53.	22.	3
	G. P. Well #21	0	0	6.1	21	52	.03	.00	.00	0.7	58.	27.	1
	G. P. Well #22	0	2	6.6	25	63	.01	.00	.00	0.8	55.	17.	3
	Raw water-Old Oaken Bucket	6	205	6.4	4	30	2.6	.16	.06	0.0	46.	20.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Scituate	Settled Water-Old Oaken Bucket	0	20	5.0	3	36	.17	.04	.06	0.0	44.	24.	1
	Finished water-Old Oaken Bucket	0	8	5.0	1	28	.07	.13	.05	0.0	46.	24.	2
	Tap in Town Hall	0	5	6.7	36	46	.02	.00	.01	0.5	30.	27.	1
Seekonk	Tubular Well #1, Brown Ave. P. S.	0	2	6.7	35	62	.03	.01	.00	1.3	19.	10.	3
	G. P. Wells 2 & 3, Newman Ave.	0	5	6.8	39	57	.02	.02	.00	1.0	19.	13.	2
Sharon	G. P. Well #2, Moose Hill Pkwy.	0	9	6.5	31	44	0.6	.21	.03	1.3	18.	12.	3
	G. P. Well #3, Farnham Rd.	0	8	6.5	24	52	.12	.23	.05	1.0	20.	10.	3
	G. P. Well #4 off Tree Lane	0	1	6.7	42	81	.01	.00	.00	5.6	43.	26.	3
	Tap in Town Hall	0	4	6.6	44	70	.29	.08	.01	3.8	36.	20.	2
Sheffield	Farm House Spring-Direct	0	0	6.6	23	26	.01	.01	.00	0.1	2.5	1.4	4
	Red Rock Spring-Direct	0	1	6.4	17	20	.01	.00	.00	0.1	1.4	1.0	4
	Smith Spring, Direct	0	0	6.5	18	19	.00	.00	.00	0.2	1.1	—	4
	G. P. Well off Rte 7	0	0	7.8	136	134	.02	.00	.00	0.0	1.1	—	4

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Shirley	Dug Wells, Tap near pump	1	0	5.5	4	31	.05	.07	.01	1.6	19.	10.	3
	G. P. Well, Tap in P. S.	0	1	6.4	17	33	.04	.03	.02	0.9	24.	9.	3
Shirley (Ind. Sch.)	Tubular Wells, Tap in P. S.	34	42	7.0	61	65	1.0	0.4	.07	0.0	21.	9.	3
Shrewsbury	South St. Wells, Tap in P. S.	2	11	6.3	28	53	0.4	.06	.01	0.4	23.	18.	3
	G. P. Well #1, No. Quinsigamond	0	3	6.2	37	74	.01	.00	.00	1.1	31.	17.	2
	G. P. Well #2, No. Quinsigamond	0	3	6.4	33	71	.05	.01	.00	0.9	26.	19.	2
	G. P. Well, Sewell St.	0	3	6.4	19	46	.02	.01	.00	0.8	21.	11.	3
Somerset	G. P. Well #2, Brook St. Dighton	0	2	6.8	44	31	.01	.01	.01	1.2	7.3	--	3
Southampton	G. P. Well, Tap at Well	0	0	7.1	23	27	.02	.00	.00	0.6	5.0	5.	3
Southfield	Springs, Tap on System	0	1	7.4	89	111	.04	.00	.00	0.1	11.	1.4	2
Sterling	Tubular Wells, Tap in P. S.	0	1	6.3	29	61	.04	.00	.01	0.6	26.	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Sterling	New G. P. Well	0	8	6.2	24	81	.01	.00	.02	0.6	64.	30.	3
Stockbridge	Springs, Tap in Town	0	3	7.4	43	56	.03	.03	.00	0.0	1.8	1.5	2
Stoughton	Tubular Wells, Harris Pond P. S.	0	1	6.4	18	43	.02	.01	.01	1.5	25.	14.	3
	G. P. Well, Fennel Site, West St.	0	3	6.4	23	43	.05	.03	.01	1.1	18.	9.	3
	G. P. Well, MacNamara Site	0	3	6.1	14	33	.02	.01	.03	0.4	10.	8.	3
Sturbridge	G. P. Well #2, Tap in P. S.	8	17	6.2	9	89	2.0	.10	.04	0.1	82.	9.5	2
Sudbury	G. P. Well #2, Raymond Rd.	0	2	7.3	57	84	.02	.01	.01	0.1	16.	8	3
	G. P. Well #3, Pratt's Mill Rd.	0	3	6.9	30	35	.01	.01	.02	2.7	21.	17.	3
	G. P. Well #4, Warren Rd.	0	4	7.3	46	60	.01	.00	.01	2.7	16.	15.	3
	G. P. Well #5, Rte 117	0	3	7.3	34	39	.32	.03	.01	0.4	13.	13.	3
	Tap in Town Hall	1	4	7.5	61	76	.16	.00	.01	0.4	19.	9.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Sunderland	Tubular Wells, Tap in P. S.	0	0	7.1	44	55	.00	.00	.01	0.0	5.5	2.9	2
Sutton (Water Co.)	Dug Well, Direct	0	0	6.6	23	73	.05	.01	.01	4.5	22.	12.	2
	Tubular Wells, Tap in Town	3	18	7.3	53	112	.49	.00	.16	1.1	27.	12.	2
	Weir Springs, Direct	0	0	6.3	19	66	.02	.00	.01	4.0	50.	22.	2
	G. P. Well #1, Tap in P. S.	0	0	6.2	15	25	.03	.03	.00	0.0	21.	13.	3
	G. P. Well #2, Tap in P. S.	0	0	6.2	14	25	.02	.03	.01	0.0	25.	14.	3
	G. P. Well #3, Tap in P. S.	0	0	6.2	16	24	.02	.03	.01	0.0	28.	14.	3
Swansea	G. P. Well #1, Midwood	1	13	6.2	17	18	.26	.17	.05	0.1	6.7	—	2
	G. P. Well #2, Midwood	3	30	6.2	16	29	0.8	.46	.16	0.1	11.	8.	3
	G. P. Well #3, Midwood	2	23	6.2	17	24	.53	.54	.15	0.1	14.	8.	2
	G. P. Wells 4 & 5, Maker P. S.	0	0	6.1	14	59.	.03	.02	.01	2.7	17.	12.	2
	G. P. Well #6, Vinnicum	0	3	6.2	16	45	.07	.01	.01	1.0	14.	11.	3
	G. P. Well #7 near Maker-Raw	7	7	6.3	20	56	.50	.12	.04	0.9	20.	9.0	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Swansea	G. P. Well #7, Finished	0	0	6.5	23	60	.24	.12	.00	0.9	21.	9.5	1
	Tap in Town	1	7	6.4	25	57	.26	.07	.01	1.2	17.	11.	2
Taunton(P.A. Dever School)	G. P. Well #1	0	4	6.1	17	39	.08	.05	2.0	3.7	11.	6.2	3
	G. P. Well #2	0	4	6.3	18	45	.03	.07	2.3	3.9	11.	9.0	3
	G. P. Well #3	0	4	6.4	18	35	.09	.13	.00	1.2	5.7	9.5	3
Templeton	G. P. Well #1 at Baldwinville	0	1	6.2	12	17	.02	.00	.00	1.0	12.	7.2	3
	G. P. Well #2 off Rte 101, E. Templeton	3	7	5.9	10	23	1.3	.03	.04	0.2	15.	7.5	3
	E. Templeton, G. P. Well	0	9	5.9	18	80	.90	.00	.00	0.2	15.	8.5	1
Tewksbury	G. P. Well #1	1	33	6.1	13	29	.33	.16	.11	0.8	30.	12.	2
	G. P. Well #2	3	35	6.4	28	60	1.5	.02	.12	3.9	17.	--	1
	G. P. Well #3	0	7	6.0	11	35	.22	.05	.05	2.4	30.	13.	3
	G. P. Well #4	0	7	6.1	15	29	.40	.17	.11	0.5	24.	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Tewksbury	G. P. Well #5	0	2	6.1	11	34	.05	.02	.01	3.8	24.	12.	3
	G. P. Well #6	0	7	5.9	10	39	.01	0.5	.08	0.9	38.	18.	3
	G. P. Well #7	0	30	6.3	37	67	.03	1.8	.11	0.4	31.	13.	3
	G. P. Well #8	0	3	6.1	9	53	.07	.02	.02	1.5	38.	17.	3
	G. P. Well #9	0	2	6.1	12	61	.02	.03	.01	3.2	32.	16.	3
	G. P. Well #10	0	0	6.4	19	82	.01	.07	.00	1.0	16.	9.	2
	G. P. Well #11	0	0	6.3	16	31	.02	.00	.01	1.8	18.	8.5	2
	G. P. Well #12	6	18	6.5	24	35	0.8	.03	.02	0.1	13.	5.5	2
	Center of Town	0	8	6.0	13	35	.03	.09	.05	1.3	31.	15.	3
Tewksbury(State hos.)	Old Wells, Tap in P. S.	0	8	6.2	32	43	.07	.22	.08	1.8	26.	14.	3
	New Tubular Wells, Tap in P. S.	0	7	6.2	20	47	.35	.14	.03	0.8	28.	15.	3
	Tap in Administration Bldg.	0	5	6.2	18	38	.07	.05	.03	1.1	24.	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Tisbury	Tashmoo Spring	0	0	6.2	7	18	.03	.02	.02	0.0	14.	--	1
	New G. P. Well	0	0	6.3	5	6	.02	.04	.00	0.0	11.	--	1
	G. P. Well #1, Edgartown Rd.	0	1	6.7	24	9	.01	.00	.01	0.1	21.	9.0	2
	G. P. Well #2, W. Spring St.	1	3	6.5	12	11	.15	.02	.01	0.0	13.	8.0	2
	Tap in Town, Franklin St.	0	4	6.4	8	10	.03	.01	.01	0.1	14.	8.5	2
Topsfield	Tubular Wells, Tap in P. S.	0	2	6.8	38	57	.01	.01	.00	0.9	19.	5.5	3
	Wylde Wood, W. W., Tap on System	0	2	7.3	73	101	.09	.00	.00	1.5	21.	8.0	3
Townsend	Tubular Wells, Tap in P. S.	0	2	6.0	9	13	.01	.00	.00	0.3	10.	4.8	3
Upton	Tubular Wells, Tap in P. S.	0	1	6.0	12	35	.04	.00	.01	0.9	21.	8.	3
Uxbridge	G. P. Well #1, Tap in P. S.	0	3	6.1	15	33	.28	0.4	.09	0.6	19.	12.	3
	G. P. Well #2	0	5	6.0	19	36	0.9	.23	.03	1.1	15.	--	2
Wakefield	Bay State Dug Well, Tap in P. S.	0	3	6.6	60	127	.04	.04	.01	3.0	61.	24.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Walpole	Tubular Wells, Washington St.	1	11	6.2	28	57	.42	.33	.03	1.5	50.	18.	2
	G. P. Well #1, Mine Brook	13	30	6.4	33	105	0.6	0.7	.02	1.2	88.	84.	3
	G. P. Well #2, Mine Brook	5	117	6.4	30	53	4.2	.12	.00	0.0	22.	13.	2
	Tap in Town Hall	2	5	6.3	28	67	.13	.25	.01	1.2	116.	63.	2
Ware	Large Well before treatment	0	0	6.4	21	33	.03	.00	.00	1.1	13.	6.5	3
	Tap in P. S. after treatment	0	3	8.6	99	30	.02	.01	.00	1.1	14.	—	3
Wareham (Fire Dis.)	G. P. Well #1, Maple Springs	0	2	6.2	10	8	.00	.00	.00	0.0	6.8	5.2	3
	G. P. Well #2, Maple Springs	1	3	6.3	13	9	.14	.00	.00	0.0	6.8	5.0	3
	G. P. Well #3, Maple Springs	1	8	6.0	11	11	.29	.02	.06	0.0	6.1	5.0	3
	G. P. Well #4, Maple Springs	0	1	6.0	10	10	.01	.00	.00	0.0	8.0	5.0	3
	Tap in Dist. Office	0	0	6.1	14	24	.02	.00	.00	0.1	7.0	5.5	1
Wareham (Onset F.D.)	G. P. Well #5, Red Brook	0	1	5.8	6	12	.05	.00	.02	1.0	14.	6.0	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Warren (W.D.)	Tubular Wells, Tap in P. S.	0	3	6.4	11	18	.01	.01	.02	0.2	6.6	3.5	3
Warren (W.Warren Water Co.)	Dug Wells, Tap in village	2	16	5.7	12	77	1.11	.00	.04	.4	100.	31.	3
Wayland	G. P. Well #1, Baldwin Pond	0	1	6.4	47	89	.08	.09	.02	1.1	15.	7.7	3
	G. P. Well #2, Baldwin Pond	1	5	6.3	39	86	.11	.12	.02	1.7	15.	--	1
	G. P. Wells 1 & 2, Baldwin Pond	0	0	6.5	50	92	.06	.08	.02	1.2	17.	7.7	2
	G. P. Well #3, Baldwin Pond	0	4	6.5	39	85	.05	.05	.02	3.7	14.	7.5	3
	G. P. Well #1, Happy Hollow	0	1	6.2	33	81	.00	.00	.01	3.4	35.	12.	3
	G. P. Well #2, Happy Hollow	0	0	6.4	43	114	.00	.01	.01	4.7	59.	20.	3
	G. P. Well #1, Campbell Rd.	0	1	6.6	28	70	.00	.05	.02	0.2	11.	5.2	3
	Tap in Town Hall	0	0	6.7	35	76	.00	.00	.00	.01	2.1	--	2
Webster	Wells, Tap in P. S.	0	3	6.4	22	32	.05	.07	.04	0.5	18.	8.0	3
	G. P. Well #2	0	2	6.3	29	41	.03	.06	.03	0.7	26.	14.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Wellesley	2 Dug Wells, Wellesley Ave.	0	2	6.7	55	87	.03	.18	.02	0.9	46.	20.	3
	2 G. P. Wells, Marses Pond	0	5	6.6	45	84	.23	.32	.06	0.7	58.	22.	3
	G. P. Well Rosemary Brook	0	5	6.5	41	68	.03	.22	.03	0.9	44.	--	1
	G. P. Well, Longfellow Pond	0	0	6.5	44	80	.02	.02	.02	0.8	60.	--	1
	G. P. Well, Coughlin	0	1	6.5	41	72	.02	.28	.06	0.7	55.	--	1
	Tap, Public Works Bldg.	0	3	7.2	83	104	.08	.16	.02	0.6	50.	22.	2
Wellesley College	Tubular Wells, Tap in P. S.	0	2	6.2	19	69	.03	.00	.02	1.2	44.	27.	3
Wenham	G. P. Well #1	0	3	7.2	86	112	.11	.00	.00	1.3	27.	12.	3
	G. P. Well #2	0	0	7.5	86	116	.02	.02	.00	1.3	31.	12.	1
Westborough	G. P. Well, Hopkinton R d.	0	2	6.1	12	51	.06	.00	.00	1.9	38.	16.	3
	G. P. Well #2, Morse St.	0	0	6.0	9	36	.00	.00	.01	0.9	32.	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
West Boylston	G. P. Well #3, Lee St.	0	16	6.1	16	39	.15	.01	.06	0.6	29.	13.	3
	G. P. Well #4, Lee St.	0	0	6.3	18	46	.00	.00	.00	1.1	21.	5.5	3
	Oakdale G. P. Well	0	0	6.3	18	36	.01	.00	.02	0.8	20.	6.5	3
West Bridgewater	Tubular Wells, Cyr St.	0	0	6.1	13	43	.03	.00	.00	3.7	22.	17.	3
	G. P. Well, Norman Ave.	0	0	5.8	8	47	.19	.06	.00	2.1	23.	13.	3
	G. P. Well, Rtes 106 & 24	0	0	6.5	37	59	.02	.03	.00	0.2	37.	16.	2
	Tap in Town Hall	2	11	6.4	24	60	.69	.02	.01	0.5	26.	17.	3
West Brookfield	Tap in P. S.	1	6	6.0	11	29	.17	.04	.01	1.0	19.	8.	3
	Tubular Wells	1	6	6.1	13	20	.16	.03	.01	1.0	21.	10.	2
Westfield	G. P. Well of So. Holyoke Rd.	0	3	6.6	39	63	.02	.00	.01	1.2	16.	8.	4
	G. P. Well #3, Little River	1	3	7.1	40	59	.09	.00	.02	1.0	9.0	4.5	4
Westfield(Hosp.)	Tubular wells before treatment	0	2	6.7	48	104	.01	.00	.00	3.9	29.	9.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Westford	Tubular Wells, Westford P. S.	1	6	6.6	25	31	.22	.11	.04	0.2	16.	7.	3
	Brookside Sta. #2, Depot Rd.	0	3	6.3	20	45	.01	.00	.01	0.8	32.	14.	3
	G. P. Well, Cemetery Rd.	0	0	6.2	15	29	.02	.07	.00	0.8	16.	5.	3
	Tubular Wells, Brookside #2, Nutting Rd.	0	9	6.3	22	42	.02	.08	.06	1.0	25.	10.	3
Westhampton	Tap in Town	0	8	7.0	17	24	.07	.00	.05	0.0	4.3	3.	3
Westminster	Holmes Park Water District	0	3	5.9	6	9	.03	.01	.01	0.1	2.8	2.	3
Weston	Tubular Wells, Kendall Green	0	4	6.2	38	78	.08	.02	.03	1.2	46.	--	1
	G. P. Well, Nickerson Field	0	2	6.7	57	248	.02	.00	.02	1.0	278.	119.	2
	G. P. Well 128 Fitzgerald	0	0	6.2	28	94	.01	.00	.01	1.1	140.	34.	1
Weston(College)	Deep Tubular Well	0	2	7.1	53	79	.02	.01	.00	1.0	23.	8.	3
Westport	Tap on System	0	1	6.4	22	41	.09	.07	.02	1.9	41.	34.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Westport(Acoaxet W.Co.)	High Well, Tap on System	0	1	6.2	14	34	.10	.00	.05	3.9	16.	11.	3
	Low Well, Tap on System	1	3	6.0	12	44	.04	.00	.00	6.0	49.	28.	1
West Springfield	G. P. Wells, P.S.#1, Southwick	0	3	7.5	47	70	.00	.01	.02	3.7	7.8	4.5	2
	G. P. Wells, P.S.#2, Southwick	0	0	7.4	55	87	.01	.00	.01	4.5	7.5	4.5	2
	G. P. Wells P. S. #3, Southwick	0	2	8.0	47	77	.01	.01	.01	4.0	13.	5.5	2
West Stockbridge	Sartori Spring, Direct	0	1	7.6	146	157	.01	.00	.01	0.0	3.5	1.8	3
	New Spring, Direct	0	3	7.6	24	35	.01	.00	.01	0.0	1.5	1.3	2
Weymouth	G. P. Well, Circuit Ave.	0	13	6.6	92	63	.08	1.9	.15	1.0	48.	40.	3
	G. P, Well, Main St.	0	10	6.9	118	60	.03	1.1	.06	2.7	113.	76.	3
	G. P. Well, Whitman's Pond	0	2	7.0	71	55	.04	.21	.01	0.3	33.	26.	3
	G. P. Well, Winter St.	1	45	7.0	177	48	1.9	.74	.18	0.0	46.	34.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Whately	Tap onSystem	0	0	7.9	61	77	.03	.01	.00	0.0	7.5	4.3	3
Williamsburg	G. P. Well, Tap in P. S.	0	3	6.5	24	45	.04	.01	.01	1.9	5.0	3.0	3
Williamstown	New G. P. Well	1	7	8.1	112	114	.21	.02	.02	0.0	3.3	1.5	3
	Sherman Spring	0	1	7.8	88	95	.01	.02	.03	0.3	2.3	0.9	3
	Tap in Town H.S.	0	6	7.9	76	91	.03	.01	.03	0.0	2.3	1.2	3
	G. P. Well #2	0	7	8.3	109	102	.32	.04	.02	0.0	2.3	1.5	3
Wilmington	Tubular Wells, Brown's Crossing	1	11	6.1	17	62	.31	.41	.08	1.0	70.	26.	2
	New Tub. Wells, Barrow's P. S.	0	12	6.3	34	94	.03	.07	.08	4.9	73.	35.	3
	New G. P. Well, Chestnut St. P.S.	0	28	6.2	22	63	.38	.32	.18	0.0	88.	48.	2
	G. P. Well, Shawsheen Ave. P. S.	0	1	6.2	24	63	.04	.09	.05	1.1	37.	16.	3
	G. P. Well, Aldrich Well	0	1	6.3	16	41	.03	.01	.01	0.5	25.	12.	3
	G. P. Well, Butters Rd.	1	5	5.8	12	68	2.7	.12	.14	0.1	90.	--	1
	Town Park G. P. Well	1	4	6.0	15	85	.21	.13	.07	0.4	50.	22.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Woburn	G. P. Well A-2	0	1	6.9	50	103	.00	.08	.08	0.5	103.	44.	3
	G. P. Well B	0	1	6.6	35	89	.01	.00	.01	0.7	92.	47.	3
	G. P. Well C-2	0	2	6.7	40	83	.01	.13	.03	0.3	87.	48.	3
	G. P. Well-D	0	3	6.4	30	70	.00	.01	.00	0.9	65.	38.	3
	G. P. Well E	0	5	6.4	38	93	.01	.21	.03	2.5	77.	39.	3
	G. P. Well F	0	4	6.3	40	82	.01	.17	.03	1.0	58.	32.	3
	G. P. Well-G Rifle Range	0	6	6.4	61	213	.01	.65	515	5.8	115	54.	2
Worcester	Home Farm Well	0	2	6.5	36	79	.01	.01	.01	1.6	43.	23.	2
Worthington	Spring-Tap in Town	0	2	6.3	12	19	.05	.00	.01	0.1	1.8	—	3
	Deep Tubular Well, Tap in P. S.	14	30	6.4	21	23	3.5	.00	.01	0.2	2.8	2.0	3
	Feeder Spring	0	3	6.1	8	12	.09	.00	.00	0.1	2.2	1.5	3
Wrentham (State School)	Tubular Well - P. S. #1	0	1	6.1	15	54	.02	.00	.01	1.3	68.	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Wrentham(State School)	Tubular Well, P. S. #2	0	1	6.1	18	43.	.01	.00	.01	2.1	19.	7.	3
Wrentham	G. P. Well #2, Franklin St.	0	2	6.0	11	31	.00	.01	.01	0.7	16.	6.6	3
	G. P. Well #3, Franklin St.	0	4	6.3	19	91	.00	.09	.01	0.2	13.	5.8	3
	Tap, Municipal Bldg.	0	0	6.4	18	33	.02	.01	.01	0.5	17.	6.5	2
Yarmouth	G. P. Well #1, W. Yarmouth	0	0	6.1	7	19	.02	.01	.00	0.1	22.	11.	3
	G. P. Well #2, W. Yarmouth	0	0	5.9	7	21	.01	.00	.00	0.1	25.	11.	3
	G. P. Well #3, W. Yarmouth	0	0	5.9	7	19	.03	.01	.01	0.2	26.	17.	3
	G. P. Well #4, Long Pond Drive	0	0	6	10	17	.03	.00	.01	0.2	26.	12.	2
	G. P. Well #5, Long Pond Drive	0	0	5.9	6	15	.02	.00	.00	0.2	17.	9.	3
	G. P. Well #6, No. Main St.	0	0	6.1	8	12	.02	.00	.01	0.1	19.	10.	2
	G. P. Well #7, No. Main St.	0	1	6.1	7	13	.01	.00	.00	0.1	17.	16.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Yarmouth	G. P. Well #8, No. Main St.	0	3	6.0	8	12	.01	.00	.00	0.1	19.	18.	2
	G. P. Wells 9, 10, 11, 12, Union St.	0	0	6.0	11	18	.08	.01	.01	0.5	26.	14.	2
	Tap in Town Hall	0	0	6.3	11	16	.02	.00	.01	0.1	19.	11.	2

PART II

SURFACE WATER ANALYSES

1970

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Abington	Joint Supply-Tap in Abington	3	28	6.2	22	71	0.9	.71	.10	1.1	36.	19	2
Abington-Rockland	Great Sandy Bottom Pond-Raw	1	13	6.7	9	20	.05	.01	.04	0.0	28.	14	3
Acushnet	Tap on System-New Bedford Water	1	28	7.7	15	14	.18	.01	.10	0.0	9.0	11.	2
Adams	Bassett Brook Reservoir	1	3	6.8	13	23	.01	.03	.01	1.0	0.8	1.0	3
Amherst	Atkins Pond at Outlet	1	10	6.3	4	10	.11	.01	.04	0.0	4.2	3.0	3
	Nourse & Dean Brooks above Atkins Pond	0	12	6.3	3	8	.04	.01	.05	0.0	3.7	3.0	3
	Hills Reservoir at Outlet	1	32	5.8	4	9	.16	.01	.08	0.0	4.5	4.5	3
	Hawley Reservoir at Outlet	0	13	6.1	3	14	.11	.01	.04	0.0	4.8	4.5	3
	Amethyst Brook-Outlet of Intake Res.	0	11	6.1	3	9	.08	.01	.07	0.1	5.2	4.5	3
Andover	Haggett's Pond-P.S. after Treatment	1	22	9.3	21	47	.12	.10	.19	0.2	30.	17	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Ashburnham	Upper Naukeag Lake-Tap in P. S.	1	5	6.2	4	7	.24	.08	.04	0.0	5.3	2.5	2
Ashfield	Highland Spring Reservoir-Tap	1	20	6.9	27	27	.61	.15	.09	0.0	3.7	1.0	3
Athol	Raw Water-Filtration Plant	2	26	8.3	21	27	.27	.03	.08	0.1	29.	32	3
	Final Effluent-Filter Plant	1	8	6.6	23	31	.24	.25	.08	0.4	26.	17	3
	Tap in Town Hall	0	0	6.5	24	43	.02	.50	.07	1.0	21.	12	3
Attleboro	Seven Mile River-Inlet to Filter	1	16	6.8	13	39	.16	.17	.11	0.2	32.	13	3
	So. Attleboro-Finished water	0	0	7.0	32	44	.07	.02	.01	0.5	42.	27	2
	Canal near G.P. Well-W. Mansfield	1	28	6.6	9	22	.29	.00	.12	0.1	29.	17	3
	Tap on System	0	2	7.1	37	42	.07	.00	.01	0.5	35.	26	2
Barre	Reservoir Direct-Allen Hills	4	25	6.7	9	23	.20	.01	.34	0.2	15.	8.0	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Billerica	Concord River opposite P. S.	2	50	6.8	18	37	.33	.03	.31	0.3	37.		3
	Raw water-Outlet of Coagulation Basin	2	6	5.5	7	39	.41	.06	.12	0.3	44.		3
	Final Effluent-Tap in P.S.	0	0	8.9	29	38	.02	.05	.07	0.3	47.	32.	3
Blandford	Lang Pond-Tap	0	11	7.6	10	18	.04	.00	.05	0.3	1.7	1.5	3
Braintree	Great Pond-Tap on Low Lift Pump	1	17	6.7	13	27	.12	.03	.11	0.6	42.	24	3
	Great Pond-Finished Water at P.S.	0	0	7.6	25	37	.01	.01	.03	0.6	39.	22	3
Bridgewater M.C.I.	Taunton River before Filtration	2	73	6.1	11	30	.54	.14	1.1	1.4	26.	24	3
	Taunton River after Filtration	4	63	6.0	8	30	1.0	.07	0.7	1.0	27.	20	3
Brockton	Avon Res.-Surface near Gatehouse	1	20	6.8	8	31	.19	.01	.13	0.1	58.	27	3
	Silver Lake at Intake	0	7	5.8	4	18	.13	.32	.04	0.0	15.	6.0	1
	Tap on System in Brockton	1	9	8.4	6	20	0.4	.00	.05	0.1	19.	15	3
	Silver Lake-Finished water	1	6	6.3	5	18	.08	.18	.05	0.1	20.	11	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Brookfield	Cooley Hill Reservoir	1	9	6.7	12	31	.07	.01	.03	0.0	3.7	2.8	3
Brookline	Tap on System-M.D.C.	1	13	6.4	4	15	.27	.00	.06	0.4	12.	5	2
Cambridge	Fresh Pond	1	22	6.9	25	56	.06	.06	.13	0.5	39.	23	3
	Fresh Pond at Intake	1	19	6.8	23	54	.11	.06	.15	0.7	37.	23	3
	Raw Water-Filtration Plant	2	20	6.6	20	60	.18	.05	.17	0.6	42.	25	3
	Entrance to Filter	1	12	6.4	12	40	.07	.02	.13	0.6	41.	25	3
	Filter Effluent	0	5	7.3	22	61	.04	.01	.03	0.6	41.	28	3
	Stony Brook Res.-Surface near Gatehouse	1	28	7.0	20	51	.17	.03	.21	0.6	40.	25	3
	Upper Hobbs Res.-Surface near Gatehouse	1	25	6.8	12	49	.15	.08	.14	0.3	63.	28	3
	Lower Hobbs Res.-Surface near Gatehouse	3	30	6.8	13	49	.19	.15	.15	0.5	75.	28	3
Cheshire	Kitchen Brook Res.-Tap in Town	0	0	7.3	32	39	.03	.00	.01	0.2	1.2	1.0	3
Chicopee	Tap in City-M D C Supply	1	5	6.7	3	15	.16	.02	.04	0.0	3.0	3.0	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Clinton	Wachusett Supply-North Dike P. S.	0	8	6.6	6	13	.03	.01	.05	0.1	12.	6.0	3
Cohasset	Lily Pond-Dug Well #4 - Raw	1	95	6.4	15	23	0.8	.09	.28	0.1	29.	17	3
	Lily Pond-Dug Well #4 - Finished	0	7	7.1	20	75	.05	.07	.10	0.1	33.	18	3
	Tap on System	0	8	7.0	13	71	.07	.03	.06	0.1	32.	18	2
Colrain	Mountain Brook Reservoir	1	3	7.2	53	62	.10	.00		0.1	6.0		1
Concord	Nagog Pond near Gatehouse	0	11	6.5	6	17	.04	.00	.03	0.1	18.	7.3	2
Dalton	Anthony Brook	0	33	5.4	4	19	.10	.03	.39	0.4	1.7	1.2	3
	Egypt Brook-Upper Reservoir	0	21	5.3	3	13	.19	.04	.13	0.4	1.2	0.9	3
	Windsor Reservoir	4	32	6.6	18	29	.78	.02	.14	0.1	4.8	2.1	3
	Raw water at ent. to Settling Tank	1	25	6.7	13	29	.25	.02	.10	0.3	3.7	2.0	3
	Filtered water at Filtration Plant	1	20	6.8	18	31	.12	.01	.07	0.3	3.0	2.0	3
	Tap in Town	1	19	6.7	16	29	.14	.01	.07	0.2	11.	2.0	3
	Reservoir-Direct	0	9	7.2	55	58	.01	.00	.04	0.4	1.7	1.5	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Danvers	Middleton Pond - Direct	1	75	6.7	9	17	.15	.00	.38	0.1	6.2	3.5	3
	Swan Pond - Direct	2	45	7.1	17	21	.27	.06	.17	0.1	4.5	2.5	2
	Emerson Brook - Direct	0	200	6.1	20	26	.68	.06	.60	0.0	16.		1
	Tap in Pump House	1	43	6.8	22	42	.20	.03	.23	0.1	15.	6.5	3
Dartmouth	Mixed New Bedford-Dartmouth Water at Elevated Tank	0	7	6.4	12	77	.07	.00	.04	0.6	7.5	10.5	3
	New Bedford Water-Allen St. P. S.	2	14	7.3	29	37	.36	.07	.11	0.1	12.	10.5	3
	Tap on System	0	8	6.7	13	61	.11	.00	.05	0.3	38.	10.5	2
Deerfield	Roaring Brook Res. - Tap in District	1	14	7.1	36	43	.12	.01	.05	0.1	2.3	1.4	3
Dighton (North)	Taunton Water - 452 School St.	0	5	6.3	5	105	.08	.00	.05	0.1	12.	6.5	2
Egremont	Goodale Brook Reservoir	0	3	7.3	24	37	.02	.01	.02	0.1	4.0	1.3	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Fall River	Tap in Water Works Bldg.	1	8	6.1	4	27	.16	.04	.04	0.1	8.8	4.3	3
	North Watuppa Pond	1	10	6.3	3	22	.06	.03	.02	0.1	8.5	4.6	3
	Noquochoke P.S. Industrial Supply	1	118	5.2	3	21	.89	.05	.35	0.0	10.	6.7	3
	Tap in City Hall	2	11	6.9	5	64	.15	.00	.02	0.0	10.	5	2
Falmouth	Long Pond - Raw	0	2	7.4	7	8	.01	.00	.02	0.0	12.	6.0	1
	Tap in Town Hall	1	3	7.0	8.5	18	.04	.00	.02	0.0	12.	9	2
	Long Pond-Tap in P. S. after treatment	1	5	6.8	5	14	.07	.00	.00	0.0	11.	6.0	3
Fitchburg	Fallulah Brook at Shattuck Res.	0	20	6.3	4	12	.30	.01	.09	0.1	5.7	3.2	3
	Lovell Reservoir at Dam	0	7	5.5	4	15	.09	.01	.20	0.2	3.5	2.5	3
	Meetinghouse Pond at Gate	0	9	6.2	3	13	.10	.01	.09	0.1	6.2	2.9	3
	Scott Reservoir at Gatehouse	1	12	6.3	3	15	.04	.00	.05	0.1	4.5	3.1	3
	Wachusett Lake at Gatehouse	1	9	5.6	3	16	.18	.01	.20	0.3	5.2	7.3	3
	Tap at City Hall - Low Service	0	9	5.7	3	13	.19	.00	.07	0.1	6.0	2.9	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Fitchburg	Tap at City Hall - High Service	1	17	6.0	3	14	.29	.00	.07	0.1	6.5	2.6	3
	Mare Meadow Reservoir	1	25	6.2	3	16	.39	.02	.36	0.1	4.0	2.2	2
Framingham	MDC - Tap in Edgell Rd. P. S.	0	10	6.4	3	18	.02	.00	.06	0.1	8.8	4.3	3
	MDC - Tap in Grove St. P. S.	0	9	6.5	3	16	.03	.00	.06	0.1	8.0	4.2	3
	MDC - Tap in Pleasant St. P. S.	0	7	6.4	3	19	.21	.00	.06	0.1	8.5	4.2	3
	MDC - Tap in Elm St. P. S.	0	2	6.2	3	12	.03	.00	.06	0.1	9.0	3.8	1
	Tap in Town Hall	1	9	6.5	4	14	.43	.00	.06	0.2	9.0	4.3	2
Gardner	Crystal Lake near P. S.	1	12	7.0	11	20	.10	.03	.06	0.1	19.	--	3
	Perley Brook	2	52	6.3	5	13	.70	.05	.25	0.0	6.0	--	3
Gloucester	Babson Reservoir	1	55	5.5	4	17	0.3	.04	.07	0.0	15.	11	3
	Dike's Brook Res. near Gatehouse	1	14	5.0	2	13	.31	.16	.09	0.0	6.7	6.0	3
	Haskell Res. Surface near Gatehouse	1	9	5.2	2	21	.23	.24	.07	0.1	23.	19	3
	Wallace Reservoir	1	17	5.7	3	15	.22	.06	.10	0.0	8.2	8.3	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Gloucester	Klondike Quarry	0	6	5.9	5	19	.02	.01	.02	0.1	6.3	8.0	3
	Tap in City	1	26	4.7	3	21	.35	.07	.13	0.0	15.	10.	3
	Goose Cave Reservoir	1	43	5.5	3	19	0.7	.12	.17	0.1	8.9	7.3	3
Great Barrington	East Mountain Reservoir	1	9	7.4	33	53	.07	.02	.06	0.3	4.3	1.3	3
	Infiltration Gallery-Tap in P. S.	0	0	7.2	91	103	.00	.01	.00	0.7	12.	3.1	3
	Green River opp. Infiltration Gallery	0	4	7.5	87	100	.02	.01	.01	0.6	8.8	3.2	3
Great Barrington (Housatonic)	Long Pond near Gatehouse	0	13	7.4	63	76	.02	.01	.03	0.0	1.2	1.2	3
	Filtered Water at Filtration Plant	0	5	7.4	75	83	.01	.00	.02	0.1	1.5	0.9	3
Greenfield	Glen Brook - Upper Reservoir	1	6	6.8	30	49	.04	.00	.07	0.5	5.0	2.2	2
	Raw water - Filter Plant	0	7	7.1	37	53	.03	.01	.02	0.3	4.0	2.1	3
	Outlet of Filter - Filter Plant	0	0	7.2	35	48	.01	.00	.02	0.3	4.2	2.1	3
	Settled Water - Filtration Plant	0	4	7.2	37	51	.04	.00	.03	0.3	3.5	2.1	3
	Tap in Town - Filtered Water	1	5	7.0	29	49	.20	.00	.01	0.4	6.8	3.4	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Hatfield	Running Gutter Brook Res.	0	5	7.1	20	40	.02	.00	.02	2.5	4.2	4.2	3
Haverhill	Millvale Reservoir - Tap in P.S.	1	55	6.8	20	58	0.3	.03	.17	0.1	26.	14	3
	Crystal Lake near Intake	1	20	6.8	13	21	.31	.01	.11	0.0	10.	5.1	3
	Kenoza Lake - Tap in P.S.	1	20	7.0	17	40	.04	.02	.08	0.0	16.	8.0	3
	Johnson's Pond - Tap in P.S.	2	21	7.1	24	42	.08	.01	.16	0.2	15.	5.4	3
	Gale Hill Reservoir - Outlet	1	16	7.0	12	35	.07	.00	.08	0.0	20.	8.5	3
Hingham	Accord Pond - Raw	0	8	6.3	3	25	.14	.14	.05	0.2	30.	16	2
	Fulling Mill Pond	0	14	6.9	22	45	.18	.07	.04	0.8	23.	12	2
Hinsdale	Reservoir from tap	1	3	5.7	1	20	.19	.09	.06	0.2	2.3	0.8	2
Holbrook	Randolph-Holbrook Joint Supply	0	3	6.9	30	45	.03	.01	.03	2.0	40.	21	2
Holden	Muschopauge Lake-Tap in Town	1	7	6.7	9	19	.03	.01	.04	0.1	10.	5.4	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Holyoke	Manhan Reservoir - Outlet	0	12	6.6	8	22	.06	.00	.06	0.0	2.3	16	3
	Hugh McLean Res. near Gatehouse	1	10	6.6	9	21	.06	.01	.01	0.0	4.0	4.0	3
	White Res. near Gatehouse	1	10	6.7	10	24	.06	.01	.07	0.0	2.0	1.6	3
	Wright & Ashley Ponds near Gatehouse	0	10	6.8	18	31	.03	.01	.05	0.0	7.3	3.7	3
	Whiting St. Res. near Gatehouse	0	5	6.9	23	48	.08	.00	.09	0.1	12.	5.2	3
Hudson	Gates Pond near Gatehouse	1	29	6.8	8	23	.12	.00	.10	0.0	7.3	3.2	3
	Fesgate Brook	2	165	6.2	4	20	.21	.02	.38	0.3	71.	2.8	2
Ipswich	Bill Brook Res. near Gatehouse	1	103	6.8	22	36	.40	.00	.11	0.1	10.	9.4	2
	Dow's Brook Res. near Gatehouse	1	22	6.6	15	25	.21	.01	.15	0.1	11.	8.5	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Lawrence	Merrimack River-Intake at Filter Plant	3	58	6.8	14	21	1.0	.01	1.7	0.3	27.	13	2
	Coag & Sett. Water as appl. to R.S.F.	1	7	6.1	5	35	.10	.04	1.1	0.4	22.	16	3
	Effluent - R. S. F.	1	8	6.0	5	33	.19	.03	1.1	0.4	22.	15	3
	Outlet of Distributing Res.	2	16	7.3	13	43	0.4	.03	0.9	0.4	20.	14	3
	Tap at Water Dept. Shop	4	15	7.4	16	45	1.0	.05	1.1	0.5	22.	14	3
	Tap at Experiment Station	1	8	8.0	12	45	.16	.05	0.9	0.5	20.	11	3
Lee	Codding Brook - Upper Res.	0	12	7.1	35	46	.03	.00	.03	0.1	2.0	1.3	3
	Codding Brook - Lower Res.	0	12	7.1	25	38	.10	.00	.05	0.1	1.7	1.0	3
	Basin Pond Brook	1	43	6.5	6	17	.19	.00	.25	0.1	2.3	1.0	2
Leicester	Henshaw Pond - Direct	1	40	6.8	12	25	.19	.01	.19	0.1	31.	16	3
	Filt. Water - Tap in P. S.	0	22	6.6	13	36	.11	.01	.09	0.2	37.	16	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Lenox	Lower Root Res. near Gatehouse	1	11	7.4	54	65	.05	.02	.05	0.1	3.3	1.0	2
	Woolsey Res. near Gatehouse	1	8	7.3	29	40	.11	.00	.03	0.0	2.8	1.2	2
Leominster	Fall Brook Res. - Surface	1	10	6.4	5	13	.06	.03	.09	0.0	3.7	2.6	3
	Simonds Pond - Raw Water	1	18	5.4	4	11	.22	.04	.10	0.0	9.8	4.8	3
	Simonds Pond - Final Effluent	0	7	9.4	19	23	.08	.03	.05	0.0	9.3	8	3
	Distributing Res. near Gatehouse	0	7	6.4	4	9	.08	.00	.06	0.0	4.0	3.0	3
Lincoln	Sandy Pond near Gatehouse	1	7	6.3	4	19	.05	.05	.07	0.0	9.5	4.0	3
Lowell	Raw water - Merrimack River	4	33	6.7	10	21	0.5	.19	0.9	0.3	13.	11	3
	Outlet of Sett. Tank before Filt.	1	9	6.2	7	21	.21	.07	0.8	0.3	15.	17	3
	Filter Effluent	0	7	7.2	14	21	.04	.03	0.8	0.4	15.	18	3
	Tap in City - 6th St. Meter Shop	0	8	7.3	14	21	.04	.02	0.6	0.4	17.	19	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Ludlow	Tap in Town	0	5	6.8	10	22	.06	.00	.05	0.0	16.	5.2	2
Lynn	Birch Pond near Gatehouse	1	23	6.9	18	39	.17	.05	.12	0.0	27.	18	3
	Breeds Pond near Gatehouse	2	37	7.0	22	48	.18	.07	.18	0.2	30.	22	3
	Hawkes Pond near Gatehouse	1	47	7.1	52	73	.22	.06	.19	0.1	44.	26	3
	Walden Pond - Surface	1	37	6.8	22	39	.13	.07	.14	0.0	24.	26	3
	Saugus R. at Intake to Lynn W.W.	1	62	6.9	58	80	.25	.04	.28	0.1	37.	25	3
	Ipswich R. at Intake	1	107	6.6	17	37	0.7	.02	0.4	0.3	32.	21	3
	Tap in City	1	23	6.5	15	41	.33	.03	.16	0.2	26.	22	3
Manchester	Gravel Pond - Surface near Intake	0	10	6.9	11	21	.05	.01	.06	0.0	15.	8.5	2
	Gravel Pond - Tap in P.S. - Treated	0	12	6.8	9	22	.12	.02	.04	0.0	15.	9.0	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Marlborough	Millham Brook Res. near P. S.	2	25	6.8	10	49	.22	.03	.09	0.3	47.	21	3
	Lake Williams near P. S.	2	13	6.8	11	51	.09	.02	.04	0.5	89.	30.	3
	M.D.C. - Supply	0	13	6.7	7	15	.04	.01	.05	0.1	9.0	6.0	3
Maynard	White Pond near Gatehouse	0	0	7.4	12	14	.02	.00	.04	0.0	11.	4.8	1
Methuen	Tap in Town - Lawrence Supply	0	4	6.9	16	45	.05	.02	.04	0.7	21.	14	3
M.D.C. BELCHERTOWN	Ware River at Shaft	1	47	6.4	8	18	.31	.01	.29	0.1	8.9	4.1	3
	Quabbin Res. in or near Tunnel Intake	0	7	6.8	9	18	.05	.03	.03	0.0	4.6	2.4	3
M.D.C.-Clinton	Ent. to Aqueduct in Power House	0	15	6.3	4	22	.05	.00	.02	0.1	7.0		1
	Quinapoxet R. above Dam at Oakdale	0	25	6.7	2	20	.07	.02	.10	0.2	10.		1
	Stillwater R. just above high water mark of reservoir	0	25	6.6	3	20	.06	.00	.08	0.8	8.0		1
	Gates Brook just above Res.	0	20	7.0	28	76	.09	.02	.02	4.0	60.		1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
M.D.C. Framingham	Framingham Res. #3 near Gatehouse	0	20	6.9	14	34	.22	.05	.21	0.5	35.	55	3
	Sudbury Res. near Gatehouse	1	28	7.0	14	37	.14	.04	.20	0.5	32.	20	3
	Chestnut Hill-Terminal Chamber Gate House #2	1	10	6.9	9	25	.09	.02	.13	0.2	20.	14	3
	Weston Res. at Gatehouse	0	13	6.8	6	20	.04	.01	.06	0.1	9.5	5.0	3
	Norumbega Res. at Outlet	0	13	6.7	6	18	.04	.01	.06	0.1	9.8	5.2	3
M.D.C. Revere	Tap in Revere	1	16	6.3	6	49	.36	.00	.09	0.3	11.	4.7	3
M.D.C. Stoneham	Spot Pond from Gatehouse	1	7	6.7	6	23	.04	.01	.10	0.1	9.8	6.0	3
M.D.C. Boston	Tap at 600 Washington St.	0	5	6.7	8	22	.08	.00	.20	0.1	5.0	4.0	1
M.D.C. Milton	Tap on System	6	50	9.5	22	30	1.8	.00	.20	3.6	18.	7.2	1
M.D.C. Quincy	Tap in Quincy												

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Milford	Charles River, Inlet to Filter	0	25	6.1	4	17	.15	.00	.22	0.0	9.5	5.1	3
	Wells & Outlets of Filters-Tap in P.S.	0	13	7.1	19	18	.33	.01	.09	0.1	12.	13.	3
Monroe	Raw water at Filter Plant	0	5	6.9	11	21	.05	.00	.03	0.1	2.3	1.8	3
	Filtered water at Filt. Plant	0	5	6.9	11	19	.05	.00	.03	0.0	3.5	1.8	3
Monson	Conant Brook Res. at Dam	1	30	6.5	8	21	.54	.02	.19	0.1	4.0	3.1	3
Montague	Lake Pleasant-Direct	1	4	6.2	4	18	.16	.01	.09	0.1	4.8	2.9	3
Needham	M.D.C. -Tap in P.S.	0	10	7.0	6	19	.03	.00	.20	0.5	10.	4.6	3
New Bedford	Great Quitticas Pond near outlet to Little Quitticas Pond	1	34	6.4	5	17	.15	.03	.17	0.0	11.	6.0	3
	Little Quitticas Pond at Intake	1	27	6.4	5	18	.20	.02	.12	0.0	11.	5.9	3
	High Hill Res. at Outlet	1	19	7.1	15	18	.18	.02	.10	0.0	13.	15.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
New Bedford	Long Pond - Upper End	1	42	6.1	4	17	.25	.02	.30	0.1	13.	7.6	3
	Tap in P. S.	1	22	7.2	13	17	.26	.01	.12	0.0	13.	15	3
	Tap in City Hall	1	17	7.1	14	14	.24	.01	.13	0.0	16.	15.	3
Newburyport	Artichoke R.-Intake at Upper Dam	0	22	7.1	28	34	.15	.00	.10	0.0	18.	9.5	1
	Mixed Raw water -Appl. to Filter	1	25	7.0	37	40	.26	.00	.16	0.0	18.	10	1
	Tap in Main P.S. - Final water	0	15	7.0	24	46.	.19	.00	.10	0.3	25.	12	1
	Tap at City Hall	1	18	6.8	27	50	.22	.00	.10	0.4	26.	12	1
Newton	M.D.C. - Tap on System	0	9	6.9	8	17	.03	.01	.23	0.2	14.	14.	2
North Adams	Broad Brook above Intake	0	8	7.0	11	21	.02	.01	.04	0.1	1.0	1.0	3
	James Brook	0	3	7.6	49	57	.01	.00	.01	0.0	1.2	1.5	3
	Mt. Williams Res.	0	9	7.7	48	59	.03	.00	.02	0.2	1.2	1.2	3
	Notch Brook Res.	0	8	7.7	57	71	.09	.00	.03	0.2	1.0	1.2	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
North Andover	Great Pond - Tap in P.S. after treatment	1	18	7.7	15	33	.06	.08	.10	0.0	23.	9	3
Northampton	Middle Res. Roberts Meadow Brook near Gatehouse	0	26	7.0	15	25	.21	.00	.14	0.0	4.8	2.9	3
	Mountain St. Res. near Gatehouse	1	12	7.1	17	25	.07	.00	.05	0.0	4.0	2.8	3
North Brookfield	Doane Pond near Gatehouse	1	18	6.0	3	20	.24	.02	.14	0.2	11.		1
	North Pond near Gatehouse	1	23	6.7	7	21	.24	.00	.19	0.0	5.8	2.3	3
Northfield (Schools)	Upper Res. on Louisiana Brook	0	8	7.2	13	24	.09	.00	.04	0.0	3.2	2.3	3
	Northfield Seminary - T ap	0	4	7.2	11	20	.09	.00	.03	0.0	3.2	3.1	3
	Minot Brook Res. Tap in Town	0	10	6.4	1	8	.03	.00	.06	0.0	5.0	2.2	1
Orange	Coolidge Brook Res.	1	27	6.7	6	22	.10	.00	.09	0.2	7.8	3.5	3
Palmer	Hamilton Res. Thorndike	0	7	6.9	14	35	.06	.00	.03	0.1	22.	8.8	3
	Fire Dist. Graves Brook-Upper Res.	1	14	6.6	8	13	.36	.03	.05	0.0	7.8	2.9	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Palmer	Graves Brook Lower Res.	1	8	6.6	9	14	.22	.00	.09	0.0	4.5	2.8	3
Paxton	Asnebumskit Pond near P. S.	0	12	6.4	7	90	.33	.04	.06	0.8	21.		1
	Spring Basin - Tap in P. S.	0	10	6.5	13	21	.20	.04	.04	0.6	27.	16	2
Peabody	Spring Pond near Gatehouse	2	18	7.1	21	42	.04	.02	.16	0.4	60.	27	3
	Suntaug Lake near Gatehouse	2	12	7.1	17	39	.09	.00	.07	0.3	42.	16	3
Pittsfield	Cleveland Res. New Intake	0	18	7.2	13	23	.09	.00	.09	0.0	4.3	1.6	3
	Farnham Res. - New Intake	1	39	6.4	4	17	.38	.07	.28	0.1	2.3	0.9	3
	Ashley Res. - New Intake	0	13	7.3	29	40	.10	.01	.06	0.1	4.3	1.0	3
	Ashley Lake near Outlet	1	9	7.1	18	25	.05	.00	.05	0.0	3.2	1.0	3
	Upper Sackett Res. near Intake	1	20	7.2	28	31	.11	.01	.08	0.1	3.5	1.2	3
	Tap in Town - City Hall	1	19	6.6	10	27	.24	.01	.11	0.1	5.8	1.1	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Plymouth	Great South Pond near Outlet	0	3	6.8	3	13	.04	.00	.03	0.0	10.	5.7	3
	Little South Pond near Outlet	1	6	6.4	3	11	.03	.00	.07	0.0	10.	5.7	3
Randolph	Great Pond - Raw Water	1	14	6.9	12	33	.07	.03	.08	0.4	42.	24	2
	Great Pond - Finished water	0	6	7.8	27	33	.04	.00	.06	0.4	43.	30	2
	Devine School, No. Randolph	3	22	7.4	20	32	1.0	.00	.10	0.6	44.	30	1
Rockport	Upper Carlson's Quarry, Tap in P. S.	1	3	6.3	4	38	.14	.01	.03	0.0	19.	5.3	3
	Cape Pond, Raw Water, Tap in P. S.	3	33	5.4	6	25	.87	.64	.11	0.0	50.	29	2
	Final Effl. Tap in Filter Plant	2	13	8.2	12	50	.31	.33	.06	0.0	41.	29	3
Russell	Black Brook Res. before Filtration	1	18	7.1	10	18	.11	.02	.06	0.0	2.7	2.2	3
	Black Brook Res. after Filtration	1	15	7.1	11	17	.09	.01	.07	0.0	2.8	2.2	3
Rutland	Muschopauge Lake near P.S.	0	8	6.8	6	20	.03	.00	.05	0.1	7.9	3.6	4

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Salem-Beverly	Putnamville Res.	0	28	6.5	12	34	.20	.03	.17	0.1	19.	10.2	3
	LonghamnRes. at Ent. to Wenham Lake	2	105	6.4	13	29	1.1	.05	.14	0.1	24.	14	3
	Wenham Lake Filt. Plant - Raw	0	28	6.7	18	49	.13	.03	.18	0.3	42.	23	3
	Outlet of Coag. Basin	1	6	5.4	4	50	.05	.01	.08	0.3	43.	23	3
	Final Effl. Tap in Salem Filt. Plant	0	4	6.6	15	59	.04	.00	.06	0.3	40.	24	3
Shelburne	Fox Brook Intake Res. Direct	0	3	7.4	31	41	.02	.01	.00	0.1	4.5	127	3
Somerset	Treatment Plant - Raw Water	2	23	6.6	8	27	.24	.03	.11	0.0	8.7	3.0	3
	Treatment Plant - Settled Water	0	3	5.3	3	23	.07	.03	.14	0.0	11.	5.5	3
	Treatment Plant - Finished Water	0	2	6.6	8	23	.02	.03	.11	0.0	11.	6	3
Southborough	New Sta. MDC Aqueduct	0	7	6.7	6	15	.03	.00	.04	0.2	12.	4.7	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Southbridge	Hatchet Brook Res. #3 - Direct	1	13	7.0	4	15	.11	.00	.15	0.0	2.0	2.5	3
	Hatchet Brook Res. #4-Direct	1	14	6.5	4	14	.14	.01	.12	0.0	1.6	2.0	3
	Hatchet Brook Res. #5 - Direct	1	11	5.8	3	12	.17	.03	.05	0.0	1.7	2.0	3
	Cohasse Brook Res.	2	60	6.1	5	15	.61	.15	.28	0.0	8.0	3.2	4
South Hadley	Leaping Well Res. near Gatehouse Fire Dist. #1	0	12	6.5	15	23	.15	.00	.06	0.6	12.	5.5	4
Spencer	Shaw Pond - Tap in Town House	0	7	6.2	5	11	.09	.00	.02	0.0	7.3	1.7	3
Springfield	Cobble Mt. Res.-Surf at Dam	0	20	6.5	5	12	.11	.00	.07	0.1	14.	6.5	3
	West Parish Filt. Inlet to Ded. Basin	0	17	6.3	4	19	.14	.03	.05	0.1	14.	7.	3
	West Parish Filter-Final Eff. Sand F.	0	6	6.1	4	15	.04	.00	.05	0.1	14.	6.5	3
	Ludlow Res. before Filt.	1	19	6.3	7	19	.15	.02	.08	0.0	13.	5.4	3
	Ludlow Res. after Filt.	0	6	6.3	6	19	.08	.00	.05	0.1	14.	5.4	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Stockbridge	Lake Averic near P. S.	0	9	7.2	50	62	.10	.00	.08	0.0	4.3	2.5	3
Stoughton	Collecting Gallery-Muddy Pond P. S.	0	6	6.3	16	37	.20	.01	.02	1.5	21.	13	3
Sunderland	Saw Mill Brook Res. - Direct	0	6	7.1	38	51	.03	.00	.04	0.0	3.8	2.7	3
	Tap in Town - Filtered Water	0	0	7.3	45	55	.01	.00	.02	0.0	3.5	28	3
Swampscott	Tap in Town - M.D.C. Supply	0	4	6.7	5	20	.08	.00	.11	0.2	16.	20	3
Swansea	Coles R. Brook - Upstream of Midwood	0	302	6.1	11	27	3.8	.00	.23	0.2	10.	6.	3
TAUNTON (State Hosp.)	Tap in Hospital-Taunton Supply	0	7	6.7	4	17	.19	.01	.06	0.0	13.	6.2	2
Taunton	Assawompsett Pond near Gatehouse	1	18	6.6	7	17	.12	.01	.16	0.0	9.6	7.0	3
	Elder's Pond near Gatehouse	0	10	6.4	7	14	.08	.03	.11	0.0	9.0	7.0	3
	Long Pond at Ent. to Assawompett Pond	0	32	5.8	8	11	.21	.03	.24	0.0	9.9	6.0	3
	Filter Basin	1	9	5.5	5	16	.11	.02	.13	0.0	9.6	6.0	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1970

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Taunton	Prospect Hill Dist. Res.	0	6	5.8	5	18	.10	.00	.10	0.0	11.0	6.0	3
	Tap in City Hall	0	6	5.3	5	14	.16	.00	.11	0.0	43.	6.0	3
Tisbury	Lake Tashmoo near P.S.	0	10	6.2	6	56	.07	.02	.10	0.1	210.		1
Wakefield	Crystal Lake - Raw water	1	12	7.0	19	41	.10	.02	.07	0.3	37.	19	2
	Sand Filter Effluent	0	7	6.8	16	46	.02	.00	.06	0.3	48.	19	1
Wareham	Sand Pond - Tap in P. S.	1	4	6.5	4	12	.05	.00	.04	0.0	12.	6.5	3
	Tap in Dist. Office	0	0	6.1	7	22	.05	.00	.02	0.1	8.5	7.0	1
Westborough	Sandra Pond - Tap	0	11	6.3	6	29	.13	.01	.09	0.1	55.	31	3
Westfield	Montgomery Res. near Gatehouse	0	33	6.7	6	21	.35	.00	.13	0.0	3.8	3.0	3
	Gateville Res. -Surface at Dam	0	9	6.7	9	17	.08	.00	.03	0.0	5.5	3.0	2
	Tekoa Res. near Gatehouse	0	35	6.7	6	18	.29	.02	.18	0.0	6.0	2.6	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Westfield	Sachett Res. near Gatehouse	0	5	6.5	4	14	.31	.00	.03	0.0	6.3	2.9	3
Weston	M.D.C. Wellesley St. P. S.	0	8	6.5	15	12	.03	.00	.04	0.1	8.0	8.5	1
	Tap in Town Hall	0	4	6.5	11	46	.03	.00	.02	0.2	21.	6.0	1
West Newbury	Tap in Town - Haverhill Supply	0	1	6.7	52	68	.03	.01	.01	0.3	13.	6	3
West Springfield	Bear Hole Brook Res. - Raw	0	9	7.5	46	66	.07	.01	0.1	0.0	24.	8	3
	Bear Hole Brook Res. - Filt.	0	7	7.5	48	66	.01	.00	.02	0.1	24.	8	3
	Tap in Town	0	6	7.6	47	71	.10	.01	.01	3.0	13.	5	3
West Stockbridge	East Mt. Res. - Direct	0	9	7.0	26	37	.02	.00	.04	0.0	1.8	1.8	3
	Sartori Quarry - Tap at P. S.	0	3	7.5	106	113	.03	.00	.03	0.0	1.3	1.3	3
Weymouth	Great Pond-Tap on Low Lift Pump-Raw	3	78	5.9	8	16	.83	.31	.21	0.2	19.	9	3
	Trt. Plant-Ent. to Filters - Settled	0	18	5.9	7	31	.17	.29	.20	0.2	18.	9.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Weymouth	Trt. Plant - Finished water	0	2	6.5	11	34	.03	.23	.16	0.2	19.	9.	3
Whitman	Brockton Supply - Tap on System	1	15	8.8	13	23	.45	.00	.03	0.0	16.	12	2
Williamsburg	Unquemonk Brook Res. Tap in Town	0	9	6.8	16	24	.16	.00	.03	0.0	3.7	2.5	3
Williamstown	Paul Brook	0	2	7.6	25	33	.01	.00	.03	0.6	3.3	1	3
	Rattlesnake Brook Res.	0	4	7.8	74	77	.01	.07	.02	0.0	2.6	1	3
Winchester	North Reservoir	0	2	7.0	6	16	.07	.00	.05	0.1	6.5	4.5	2
	Middle Reservoir	0	11	6.4	6	14	.06	.00	.06	.00	8.0	6.0	2
	South Res. near Gatehouse	1	10	6.5	6	20	.16	.02	.05	0.0	6.2	4.0	2
	Tap - High Service - MDC	0	13	10.1	33	21	.09	00	.15	0.2	9.0	10	2
Woburn	Horn Pond near P. S.	0	15	8.0	29	76	.11	.00	.10	1.0	97.	40	2

Averages of Chemical Analyses of **Surface** Water Sources for Year 19 70

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Worcester	Holden Res. #2 - Lower	0	13	6.9	7	12	.08	.02	.06	0.0	9.0	4.7	3
	Kendall Res.	0	8	6.8	4	16	.12	.01	.07	0.2	10.	4.7	3
	Pine Hill Res.	0	16	6.7	5	16	.12	.00	.09	0.3	12.	5.2	3
	Quinapoxet Reservoir	1	37	6.6	6	21	.50	.12	.17	0.1	11.	5.	3
	Coal Mine Brook	0	11	7.3	38	72	.11	.01	.05	0.7	48.	25	2

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Report of Routine Chemical and Physical Analyses of PUBLIC WATER SUPPLIES in Massachusetts 1971

MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
ROOM 320
600 WASHINGTON STREET
BOSTON, MASSACHUSETTS 02111

MASS. DEPT. OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTA HEALTH
WESTERN [illegible] PUBLIC HEALTH WATER
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MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH

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ROOM 320

600 WASHINGTON STREET

BOSTON, MASSACHUSETTS 02111

This report presents average values of the chemical and physical analyses of water samples collected in 1971 from public water supply sources in the Commonwealth of Massachusetts. Analyses were performed by the Lawrence Experiment Station of the Department of Public Health as part of the Department's program of surveillance of public water supply quality.

The report is divided into two parts.

Part I Ground Water Analyses

Part II Surface Water Analyses

Part I

Ground Water Analyses

1971

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Abington-Rockland	G. P. Well #1, Pembroke	5	22	6.8	24	58	.82	.36	.19	0.1	107.	53.	3
	G. P. Well #2, Pembroke	7	30	6.2	28	80	1.1	.72	.10	1.0	43.	22.	1
	G. P. Well #3, Pembroke	4	20	6.3	26	28	1.1	.12	.20	0.1	27.	13.	1
	G. P. Well #3, Fox's Pit Rockland, Raw	2	287	6.0	22	38	6.8	.42	.42	0.1	52.	45.	3
	G. P. Well #3, Fox's Pit Rockland, Finished	0	43	6.7	56	104	.22	.24	.36	0.1	56.	29.	3
	Tap on System	0	8	6.9	14	21	.08	.00	.02	0.1	30.	17.	3
	G. P. Well #1A, Pembroke	2	33	6.7	18	30	1.0	.13	.10	0.1	27.	16.	2
	G. P. Well #2, Abington	1	35	6.4	23	59	.68	.67	.02	1.2	44.	25.	2
Acton	G. P. Well 1, off Mass. Ave.	0	22	6.1	22	68	.03	.10	.08	.5	46.	19.	3
	Conant G. P. Well, Tap in P. S.	0	2	6.1	13	35	.21	.27	.02	0.2	49.	25.	3
	G. P. Well, Lawsbrook Road	0	4	6.4	14	31	.01	.00	.00	2.8	23.	13.	2
	G. P. Well, School St.	0	9	6.3	23	63	.03	.16	.02	2.3	36.	17.	3
Adams	G. P. Well #1, Tap in P. S.	0	6	7.3	86	118	.02	.00	.00	0.5	6.	3.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Amesbury	Tubular Wells at Powow Riv., Raw Water	10	105	6.7	43	55	2.8	.27	.23	0.0	18.	8.	3
	Overflow of Sett. tank at Weir Filtration Plant	0	9	7.0	53	61	.42	.15	.02	0.0	24.	30.	3
	Tap in P. S. Filtered Water	0	6	7.3	63	52	.24	.05	.00	0.0	23.	36.	3
Amherst	G. P. Well at Lawrence Swamp	0	2	6.4	21	31	.06	.01	.00	0.2	7.	3.	3
	Gravel developed well at Law. Swamp	0	3	6.6	25	36	.10	.00	.00	0.1	4.	4.	3
	G. P. Well, Brown Property	0	0	6.6	17	30	.02	.00	.00	0.6	10.	4.	2
	Driven Well Field, Brickyard Site	1	4	6.4	20	41	.12	.00	.00	1.0	11.	6.	3
Andover	Abbot G. P. Well, Tap in P. S.	1	3	8.5	58	48	.02	.06	.00	1.3	28.	29.	2
	Ballardvale, G. P. Well, Tap in P. S.	0	0	6.4	21	56	.10	.02	.01	0.6	22.	8.	1
Ashland	G. P. Well #4, Howe St.	0	20	6.7	10	23	.06	.11	.05	0.2	26.	12.	3
	G. P. Well #5, Howe St.	0	22	6.5	11	23	.04	.11	.10	0.2	26.	12.	3
	Town Hall, Tap on System	0	18	6.4	9	23	.05	.09	.03	0.2	24.	12.	3
Athol	New South St. G. P. Well	1	10	6.6	26	44	.27	.53	.16	0.9	23.	10.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Attleboro	G. P. Well #1, Holden St. North - Raw	3	48	6.4	29	39	.98	.18	.15	0.2	24.	19.	3
	G. P. Well, Bank St. Raw	1	35	6.5	15	39	1.3	.22	.14	0.4	25.	11.	3
	G. P. Well, Bank St. FINISH	0	37	6.9	49	35	1.7	.21	.04	0.5	27.	34.	3
	Dug Wells & Filtered Water, So. Attleboro	0	1	6.7	16	48	.04	.01	.01	0.5	40.	17.	3
	G. P. Well #2, So. Attleboro-RAW	0	2	6.5	13	43	.02	.25	.02	0.3	36.	11.	3
	G. P. Well #4, So. Attleboro - RAW	0	5	6.3	17	46	.00	.21	.03	0.4	33.	17.	3
	G. P. Well #5, So. Attleboro - RAW	0	4	6.3	13	51	.01	.01	.01	0.7	51.	20.	3
	G. P. Well #6, So. Attleboro - RAW	4	20	6.2	20	58	.52	.16	.03	0.9	44.	17.	3
	G. P. Well #7, So. Attleboro - RAW	2	28	6.3	22	41	1.12	.23	.09	0.1	36.	14.	3
	Tubular Wells #8, So. Attleboro - RAW	0	3	6.4	15	43	.08	.29	.02	0.1	37.	14.	3
	Combined Old G. P. Wells & new filter basin, new well, West Mansfield-RAW	0	7	6.7	15	33	.02	.01	.03	0.2	38.	17.	3
	Combined Old G. P. Wells & new filter basin, new well, W. Mansfield-Finished	0	5	6.8	25	32	.02	.01	.02	0.2	37.	24.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Auburn	G. P. Well #1, Tap in P. S.	0	2	6.7	86	205	.01	.01	.00	4.3	203.	83.	3
	G. P. Well #2, Tap in P. S.	0	4	6.7	69	285	.02	.00	.00	2.4	315.	114.	3
	G. P. Well #3, Tap in P. S.	0	5	7.5	97	155	.01	.07	.00	2.7	129.	54.	3
	Tap on Grigg's Water System, West Millbury	0	0	6.3	43	93	.01	.01	.01	6.5	32.	16.	3
Avon	G. P. Well #1, off Rt. 28	0	4	6.2	25	79	.03	.00	.00	5.4	83.	39.	3
	G. P. Well #2, off Rt. 28	8	65	6.3	46	92	.96	1.3	.20	0.9	47.	23.	3
	G. P. Well #3, Drine In Theatre	0	0	6.4	23	80	.03	.00	.15	3.5	71.	34.	1
	Old Dug Well, Fire Hydrant	1	5	6.0	15	58	.08	.01	.00	2.7	59.	25.	3
	Tubular Well #4, Connelly St.	0	4	6.3	34	70	.01	.00	.00	1.4	47.	24.	1
	Tap on System	0	9	6.2	29	80	.29	.13	.01	4.3	64.	34.	3
Ayer	G. P. Well #1, Tap at Well	3	21	6.9	63	76	1.2	1.3	.08	0.4	33.	13.	2
	G. P. Well 2, tap in P. S.	3	19	7.0	55	78	.81	1.2	.12	0.5	26.	14.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Ayer (Ft. Devens)	Patton G. P. Well	0	6	6.9	101	135	.05	.01	.01	0.5	23.	6.5	3
	Shebokin G. P. Well	0	4	7.2	72	86	.14	.05	.01	0.0	7.0	3.5	3
	Old P. S. Grove Pond	0	13	6.9	39	71	.29	.25	.01	1.3	26.	13.	3
	McPherson Well	0	3	6.8	34	98	.02	.01	.00	0.9	45.	19.	3
Barnstable (Osterville)	Tubular Wells, McShane	0	0	6.4	6	14	.05	.02	.00	1.4	17.	11.	1
	G. P. Wells 3, Arena	0	3	6.4	6	13	.01	.01	.00	0.7	14.	8.	3
	G. P. Well 7, Craigville	0	0	6.2	5	22	.03	.02	.01	2.8	30.	16.	1
	G. P. Well 8, Craigville	0	0	6.0	5	16	.03	.00	.01	1.2	19.	12.	1
	G. P. Well 9, Lambert Mill	0	9	6.0	7	13	.01	.00	.00	0.1	14.	8.	2
	G. P. Well #10, Main St.	0	1	6.0	7	22	.03	.00	.00	1.3	16.	9.	3
	Tap on System	0	0	6.1	6	15	.02	.01	.00	1.0	16.	9.	3
Barnstable	G. P. Well, Maher Diesel	3	20	6.7	14	19	1.3	.03	.01	0.6	16.	9.	2
	G. P. Well, Straight Way	0	1	6.3	10	19	.03	.02	.04	2.0	18.	10.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Barnstable (Cont'd)	G. P. Well, Hyannisport	0	0	6.5	10	21	.01	.00	.00	1.3	19.	12.	2
	G. P. Well, Mary Dunn #1	1	11	6.3	7	13	.27	.01	.01	0.1	14.	9.	2
	G. P. Well, Mary Dunn #2	1	9	6.2	9	10	.25	.04	.00	0.1	16.	10.	1
	Tap on System	0	4	6.1	16	27	.16	.02	.01	0.6	16.	10.	2
Barnstable (Fire Dist.)	G. P. Well, Phinny's home	0	2	6.5	13	21	.07	.01	.00	0.3	22.	10.	3
	G. P. Well, K	0	3	6.5	8	11	.06	.00	.00	0.0	15.	9.	3
	Tap on System	0	2	6.5	15	19	.07	.00	.00	0.2	18.	8.	3
Barnstable (Cotuit)	Old King's Highway	0	5	6.1	10	18	.01	.00	.00	1.2	17.	8.	3
	High Street	0	8	5.9	8	16	.05	.01	.00	0.2	14.	7.	3
	5 G. P. Wells, Rte 2	0	5	6.0	9	16	23	.00	.01	0.1	12.	7.	2
Barre	New Well, Tap in P. S.	0	1	5.8	13	32	1.3	.06	.04	0.9	12.	6.	1
Barre (Wool Combing Co.	Tap, Wells at Factory, Dug & Tubular	0	0	5.6	9	21	.02	.06	.01	0.8	16.	8.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Barre (Wool Combing Co.)	Tap, G. P. Well #2	0	0	5.8	10	15	.04	.00	.00	0.4	6.8	4.	2
Bedford	G. P. Well #1, Page School	2	29	6.3	35	78	.26	1.2	.28	0.9	66.	36.	3
	G. P. Well #3, Mitre Well	0	4	6.3	24	91	.03	.22	.01	2.6	71.	35.	3
	G. P. Well #4, Mitre Well	0	9	6.3	15	34	.01	.00	.00	0.8	46.	21.	2
	G. P. Well #5, Mitre Well	0	3	6.3	56	37	.01	.00	.00	1.1	39.	16.	2
	Well #6, Old dug well	0	8	6.0	12	40	04	.22	.01	0.7	31.	14.	3
	G. P. Well #7, Middlesex Turnpike	0	11	6.3	23	69	.02	.61	.22	0.3	78.	38.	3
	G. P. Well 8, Middlesex Turnpike	0	15	6.2	19	51	.23	.21	.12	0.3	52.	27.	3
	G. P. Well #9	1	10	6.3	18	54	.07	.12	.05	0.5	60.	31.	2
Belchertown	Tubular Wells, Tap on P. S.	0	3	6.7	23	111	.01	.00	.00	1.0	122.	29.	3
Belchertown (State School)	Tubular Wells, before treatment	2	17	6.3	22	66	.52	.11	.03	0.3	36.	10.	3
	Tubular Wells, after treatment	0	13	6.9	53	57	.63	.11	.02	0.3	34.	26.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Bellingham	G. P. Well #1, Tap in P. S.	0	2	6.3	18	33	.01	.00	.00	0.5	12.	6.	3
	G. P. Well 2, Tap in P. S.	1	5	6.4	12	25	.22	.02	.00	0.1	10.	4.	2
	G. P. Well #3, Tap in P. S. off Wrentham St.	0	2	6.3	21	35	.03	.03	.00	1.2	11.	7.	3
	G. P. Well #4, Tap in P. S. off Wrentham St.	0	1	6.4	13	23	.01	.00	.00	0.7	7.2	5.	3
	G. P. Well #5	0	3	6.4	19	37	.01	.00	.00	1.9	19.	12.	3
Berkley	G. P. Well, Tap on Fire Station	1	6.	6.5	17	94	.13	.01	.01	6.3	5.3	5.	2
Bernardstown	Dug Well, Tap in P. S.	0	5	6.6	8	23	.08	.01	.00	0.3	3.3	2.	3
	Gravel Developed Well, Tap in P. S.	3	14	6.5	8	19	.45	.01	.00	0.2	3.8	2.	3
Billerica	Tap in Engineer's Office	0	15	6.3	23	81	.14	.01	.03	4.3	60.	29.	3
Blackstone	G. P. Well #1, Tap in P. S.	0	2	6.1	16	33	.01	.00	.00	1.5	16.	6.	3
	G. P. Well #2, Tap in P. S.	0	1	6.2	18	34	.01	.02	.00	1.0	18.	10.	2
	G. P. Well #3, Tap in P. S.	0	4	6.1	11	19	.27	.15	.06	0.1	10.	5.	2
	G. P. Well #4, Tap in P. S.	0	5	6.3	10	25	.00	.00	.00	0.5	11.	6.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Bourne	G. P. Well, County Road, Pacassett	0	4	6.6	18	50	.02	.00	.00	0.1	7.0	6.	3
	G. P. Well Rte 28A, Catumet	0	4	6.5	12	30.	.10	.00	.00	0.2	27.	13.	3
	G. P. Well, Bourne Town Forest	0	2	6.6	9	13	.01	.00	.00	0.1	11.	7.	2
	Tap in Water District Office	0	8	10.7	64	66	.04	.00	.00	0.1	11.	7.	1
Bourne No. Sagamore W.Dist.)	Philbrook Residence	0	4	6.3	17	29	.02	.00	.00	1.3	18.	26.	3
	G. P. Well	0	5	6.1	11	24	.10	.00	.00	1.3	26.	12.	2
Bourne (Sagamore)	Tubular Wells, Rte 6A	0	7	6.5	12	19	.03	.01	.02	0.4	16.	8.	3
	Tap on System	0	14	6.5	10	21	.01	.01	.00	0.5	13.	8.	3
Bourne (Buzzards Bay)	G. P. Well & Tubular, Bournedale Rd.	0	0	6.5	8	11	.02	.02	.01	0.1	8.2	6.	2
	G. P. Well, Head of Bay Road	0	1	6.4	8	17	.01	.01	.01	0.8	10.	7.	2
	Tap in Water District Office	0	2	6.4	9	13	.07	.00	.00	0.3	9.0	7.	2
Boylston	G. P. Well, Tap in P. S.	8	20	6.4	25	36	.84	.05	.01	0.0	18.	8.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Boylston (Morningdale)	G. P. Well #1, Tap in P. S.	1	8	6.4	24	43	.12	.01	.00	0.7	21.	10.	3
	G. P. Well #2, off Rte 70-140	0	3	6.3	17	31	.02	.01	.00	1.2	16.	9.	3
Braintree	G. P. Well, Lakeside Ave.	2	10	6.2	25	77	.49	.19	.03	0.7	115.	53.	3
	Tap on System	0	5	7.3	32	41	.04	.00	.02	0.4	55.	39.	3
Braintree (Norfolk County Hos.)	G. P. Wells	0	7	6.6	57	71	.03	.00	.00	1.4	17.	9.	3
Bridgewater	G. P. Well, Flagg St.	0	2	6.3	13	28	.02	.01	.00	0.6	14.	8.	3
Bridgewater (Water Dept.)	G. P. Well 1, Carrier Pond	1	7	6.4	20	28	.33	.49	.14	0.2	14.	11.	3
	G. P. Well 2, 500 ft. from Carrier Pd.	3	14	6.3	16	38	.24	.10	.03	0.5	22.	15.	3
	G. P. Well 3, Matfield River	0	4	6.2	19	54	.32	.16	.32	7.4	24.	15.	3
	Tap in Town Hall	1	4	6.3	19	31	.39	.05	.01	1.0	20.	14.	3
Burlington	Terrace Hall Ave Well #1	0	7	6.8	21	78	.01	.07	.03	5.3	90.	35.	2
	Terrace Hall Ave. Well #2	0	6	6.4	24	71	.19	.25	.09	0.6	78.	36.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Burlington	Main P. S. Tubular Wells Great Meadow Road	0	12	6.5	67	147	.54	.68	.18	0.6	143.	56.	3
	G. P. Well #5, Middlesex St. Tap in P. S.	0	6	6.5	32	71	.09	1.0	.26	0.1	71.	31.	3
	G. P. Well #6 Sandy Brook Rd.	0	16	6.1	20	59	.33	.30	.23	0.3	82.	40.	3
	G. P. Well #3, Middlesex St. Tap in P. S.	0	3	6.2	24	60	.03	.00	.00	0.5	75.	29.	3
	G. P. Well 4, Middlesex St. Tap in P. S.	0	4	6.2	34	92	.03	.12	.01	1.1	67.	29.	3
	G. P. Well 7 off Lexington Ave.	0	2	6.4	38	85	.20	.06	.04	0.4	68.	25.	3
	Tubular Wells, Wyman St.	0	6	6.4	43	131	.09	.07	.02	3.7	104.	36.	3
Canton	G. P. Well #4, Pecunit St.	0	1	6.9	29	77	.01	.01	.00	3.2	30.	14.	2
	G. P. Well #5, Everendon Rd.	0	4	7.1	19	46	.01	.00	.00	0.4	23.	11.	1
	G. P. Well #6, Everendon Rd.	0	2	7.0	16	30	.00	.00	.00	0.6	13.	6.3	1
Chelmsford(Center)	Turnpike Road, G. P. Well	0	8	6.5	17	56	.02	.20	.05	1.6	39.	19.	3
	West Chelmsford, G. P. Well	0	4	6.6	18	49	.00	.02	.00	2.3	32.	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Chelmsford(Center)	Warren Avenue, G. P. Well	0	15	6.4	15	62	.17	.28	.04	2.0	44.	18.	1
	Mill Road, G. P. Wells	0	7	6.3	20	55	.02	.06	.00	2.2	30.	13.	3
	Smith St. Well, before treatment	2	105	6.0	13	63	6.2	.36	.11	0.2	44.	19.	2
	Crooked Spring Road Well	0	5	6.4	23	74	.13	.42	.00	2.0	55.	22.	1
	Canal Street, G. P. Well	0	20	6.4	26	71	.56	.22	.03	0.2	54.	12.	3
No. Chelmsford	G. P. Well 1, Bamil Field	0	3	6.1	15	75	.06	.07	.01	3.6	106.	50.	3
	G. P. Well 2, at Bomil Field	0	5	6.2	20	72	.05	.19	.01	0.9	90.	38.	3
	G. P. Well 3, at Bomil Field	0	12	6.1	18	73	.03	.15	.01	2.2	107.	52.	3
East Chelmsford	G. P. Well	5	33	6.7	48	96	.73	.13	.12	0.1	75.	19.	2
Chelmsford Center	Smith St. Treated	0	14	6.3	39	110	.03	.32	.12	0.2	43.	18.	1
	Rivernick Road Well	0	0	6.5	16	46	.02	.00	.00	1.9	23.	9.	1
Chilmark	Tap on System	0	4	6.6	14	18	.05	.00	.00	0.2	18.	13.	2
Cohasset	G. P. Well 1, Sohier St.	0	5	6.5	36	61	.13	.01	.00	1.3	45.	27.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Colrain (Griswoldville)	Gravel developed well, Tap in P. S.	0	3	6.7	27	41	.02	.00	.00	0.1	1.7	1.	3
	Tubular Wells, near North River	0	13	7.1	54	66	.06	.00	.00	0.2	12.	7.5	2
Concord	G. P. Well off Walden St.	0	5	6.3	29	70	.01	.08	.00	2.8	24.	13.	1
	Deaconess G. P. Well	0	5	6.6	28	52	.01	.00	.00	1.3	11.	8.	1
	Jennie Dugan Well	0	4	8.2	35	24	.09	.00	.00	1.2	9.3	15.	2
	2nd Division Well	1	5	6.6	13.	22	.09	.00	.00	0.1	5.5	5.	1
	G. P. Well, Tap in P. S. Hugh Cargill Well	0	0	7.2	59	58	.01	.02	.00	1.8	21.	27.	1
Concord (Kalmia Wood)	Tap in District	0	5	9.8	45	23	.06	.00	.02	0.2	8.5	21.	2
Danvers	G. P. Well #1	0	9	7.0	85	133	.03	.23	.00	1.0	58.	28.	2
	G. P. Well #2	5	40	6.9	75	104	1.1	.49	.12	0.3	35.	21.	3
Dartmouth	G. P. Well #1, Chase Road	0	13	6.9	17	33	.03	.26	.01	0.5	13.	8.	3
	G. P. Well #2, Chase Road	0	7	6.8	13	26	.03	.01	.01	0.6	13.	8.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Dartmouth	G. P. Well 3, Chase Road	0	4	6.2	13	27	.02	.01	.01	0.6	11.	7.	3
	G. P. Well #4, Rte 6	0	33	6.1	15	26	.09	.02	.07	1.1	8.5	6.	3
Dedham	G. P. Well #1, Dover St.	0	4	6.3	21	93	.23	.06	.01	1.7	90.	73.	3
	G. P. Well 11, Rock Meadow	0	0	6.1	15	74	.19	.06	.00	3.3	125.	43.	1
	G. P. Well A, Bridge St.	1	19	6.4	26	56	.30	.73	.09	1.4	36.	18.	3
	G. P. Well B, Bridge St.	0	3	6.5	25	60	.03	.05	.04	1.4	40.	15.	3
	G. P. Well D, Bridge St.	2	15	6.4	23	57	.52	.88	.15	1.1	53.	22.	3
	G. P. Well E, Bridge St.	0	15	6.5	27	53	.21	1.2	.07	.07	41.	20.	2
	G. P. Well F, Bridge St.	2	13	6.0	27	59	.59	.42	.13	1.3	33.	15.	2
	G. P. Well A,B,D,E,F, treated	1	14	6.4	26	55	.26	.59	.07	1.2	42.	20.	3
	G. P. Well 1, White Lodge	0	3	6.4	33	66	.01	.03	.00	1.0	35.	16.	2
	G. P. Well 2, White Lodge	0	17	6.4	35	70	.32	1.7	.10	0.3	34.	19.	2
	G. P. Well 3, White Lodge	0	14	6.4	42	77	.01	.89	.11	0.3	41.	20.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Dedham	G. P. Well 4, White Lodge	0	14	6.5	40	81	.03	.77	.08	0.4	33.	19.	2
	Tap on System	1	6	6.4	30	63	.36	.61	.06	0.9	39.	21.	3
Deerfield	Tubular Well off Sugarloaf St.	0	3	6.4	12	81	.01	.00	.00	11.1	32.	16.	3
	North Springs from Col. Well	2	7	6.6	20	33	.05	.00	.00	.00	8.	3.	2.
	Harris Spring, G. P. Well	0	2	6.8	14	48	.01	.00	.00	5.2	10.	4.	3
	Tap at Deerfield Academy	1	2	6.7	33	65	.03	.00	.00	1.3	23.	10.	3
Dennis	Tap on system, Town office	0	0	6.4	10	22	.01	.00	.00	0.3	20.	12.	4
	G. P. Well 1, Old Catham Road	0	2	6.2	7	13	.03	.00	.01	.5	19.	12.	4
	G. P. Well 2, Old Catham Road	0	1	6.0	8	14	.03	.00	.01	1.4	20.	11.	4
	G. P. Well 3, Old Catham Road	0	3	6.1	9	10	.03	.00	.01	0.3	15.	10.	2
	G. P. Well 4, No. So. Dennis Road	1	6	5.9	10	13	.71	.08	.05	0.0	18.	11.	4
	G. P. Well 6, No. So. Dennis Road	0	3	6.0	8	13	.16	.00	.01	0.6	21.	13.	4
	G. P. Well 5, Rte 134	0	1	6.1	6	14	.02	.00	.00	0.2	21.	10.	4
	G. P. Well 7, Airline Road	0	1	6.1	8	14	.02	.00	.01	0.1	15.	9.	4

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Dennis	G. P. Well, Airline Road	0	1	5.9	8	10	.01	.00	.01	0.0	16.	10.	4
	G. P. Well 9, Grassy Pond Drive	1	4	5.8	11	13	.07	.00	.01	0.0	16.	11.	3
	G. P. Wells, Main St. Bass River Rd.	0	3	6.2	14	19	.01	.00	.00	0.4	19.	11.	3
Dighton(Segreganset)	Tubular Wells, Somerset Ave.	6	15	6.2	13	32	.47	.00	.00	1.5	28.	17.	1
	G. P. Well, Cedar St.	1	5	6.2	17	41	.12	.00	.03	1.2	17.	5.	2
Dighton(County School)	G. P. Well	0	0	6.5	34	103	.03	.01	.00	7.5	14.	9.	3
Douglas	Tubular Wells, Tap in P. S.	0	3	6.9	22	35	.01	.01	.00	1.4	18.	11.	3
Dover (Water Wks.)	Picardy Rd., Deep Well, Tap in P. S.	0	0	6.5	14	28	.02	.00	.00	0.4	19.	14.	3
	Tap on System	0	1	6.5	25	29	.02	.00	.00	0.4	19.	14.	3
Dover (Water Co.)	Tubular Well, Tap on System	0	8	7.3	49	48	.33	.02	.00	0.7	48.	44.	3
Dover (McNamara)	Drilled Well, Tap on System	0	8	6.3	20	51	.05	.00	.01	1.6	29.	13.	2
Dover (Bd of Select men)	Drilled Well, Church St. Tap in Tn Hall	2	11	6.7	40	164	.25	.01	.17	2.1	180.	48.	3
Dover (Meadow Brook Water Trust)	Tubular Well Field, Tap in P. S.	0	0	6.5	23	78	.01	.01	.00	1,9	77.	37.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Dracut	Tap in Town	0	8	6.6	24	43	.08	.13	.00	1.0	20.	9.	2
	Tyngsboro G. P. Well	0	5	6.6	28	38	.03	1.4	.00	0.7	20.	10.	2
	New Boston G. P. Well	0	3	6.5	20	33	.01	.02	.13	0.7	10.	5.	2
Dudley	Tubular Wells, Tap in P. S.	0	2	6.3	16	28	.01	.07	.01	0.8	14.	9.	3
	G. P. Well, Tap in P. S. Well #2	0	3	6.1	15	35	.01	.03	.00	1.1	19.	11.	3
Dunstable	Tubular Wells, Tap in P. S.	0	6	6.8	26	39	.12	.81	.05	0.5	28.	14.	6
Duxbury	Tubular Wells, Millbrook	0	6	6.4	9	20	.10	.00	.00	0.7	20.	12.	2
	G. P. Well, Partridge Rd.	0	3	6.3	8	24	.17	.01	.00	1.2	33.	17.	2
	G. P. Well, Depot St.	0	3	6.1	10	41	.01	.17	.00	0.7	42.	27.	3
	G. P. Well, Lake Shore Drive	0	4	6.2	13	21	.03	.07	.01	1.1	21.	13.	3
	G. P. Well, Millbrook	0	4	6.2	12	21	.04	.02	.00	0.4	19.	11.	3
	Tap in Town Hall	0	4	6.3	18	52	.03	.04	.00	0.6	38.	22.	3
East Bridgewater	G. P. Well #1, PondSt.	1	8	6.4	13	22	.45	.03	.02	0.5	19.	11.	3
	G. P. Well #2, Crescent St.	0	2	6.1	11	37	.07	.07	.00	2.6	18.	10.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
East Bridgewater	Tap in Town Hall	0	3	6.1	16	44	.14	.01	.00	1.0	15.	10.	3
East Brookfield	G. P. Wells, Tap in P. S.	1	0	6.3	7	14	.32	.26	--	0.0	8.5	--	1
	Dug Well, Town Supply	2	10	6.2	7	20	.45	.20	--	0.0	6.5	--	1
East Chelmsford	G. P. Well	9	60	6.4	45	90	1.5	.26	.09	0.1	59.	23.	1
Eastham	Driven Wells (April - Nov.)	1	10	6.6	15	36	.17	.32	.00	7.2	41.	23.	1
East Hampton	Tubular Wells, Tap in P. S.	0	3	7.3	52	69	.02	.00	.00	1.1	13.	4.	3
	Gravel Developed Well, Hendricks St.	0	2	7.5	58	90	.03	.00	.00	0.5	9.0	4.	3
	New G. P. Well #2	0	2	7.8	42	44	.00	.00	.00	1.3	5.7	3.	3
Easton	G. P. Well #1, Center St.	0	0	6.4	9	31	.02	.03	.00	0.9	25.	10.	2
	G. P. Well #2, Washington St.	0	3	6.5	28	44	.01	.00	.00	3.9	36.	31.	3
	G. P. Well #3, Red Mill Road	0	5	6.7	26	27	.00	.00	.00	0.4	14.	17.	2
	Parkview School	0	3	6.5	13	37	.01	.01	.00	1.2	18.	13.	3
Edgartown	Dug & Tubular Wells, Tap in P. S.	0	2	9.4	61	12	.02	.01	.01	0.0	19.	29.	3
	G. P. Well #2, Shurtleff Gas	0	1	6.1	13	41	.10	.07	1.2	7.8	42.	22.	4

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Edgartown	G. P. Well, Mashacket	0	2	6.3	9	14	.01	.00	.02	0.1	14.	8.	4
	Tap on System	0	3	6.2	10	25	.01	.03	.04	1.4	18.	11.	3
Essex	Tap in Fire Station	2	45	6.5	17	34	.90	.38	.00	0.1	17.	10.	1
	G. P. Well #2	1	45	6.3	14	26	1.1	.44	.07	0.0	16.	9.5	1
Fairhaven	Tub. Wells near Nashketucket River	0	36	6.3	16	33	.08	.01	.07	3.3	20.	12.	3
	Tub. Wells near Mattapoisett River	0	19	6.2	15	29	.53	.17	0.2	1.2	16.	11.	3
	Tap on System	0	37	6.2	16	43	.42	.10	.03	1.8	18.	11.	3
Foxborough	G. P. Well #1, P.S. #1 off Chestnut St.	0	2	6.5	19	43	.02	.05	.01	1.9	20.	11.	3
Foxboro	G. P. Well #4, P.S.#2 off Smith St.	0	7	6.4	9	28	.01	.01	.01	0.7	19.	10.	3
	G. P. Well #5, p.S.#2 off South St.	0	10	6.5	11	24	.03	.00	.00	0.3	15.	9.	1
	G. P. Well #6, P.S.#2 off South St.	0	7	6.2	10	27	.03	.03	.01	0.4	14.	9	3
	G. P. Well #7, P.S. #3 off Oak St.	0	6	6.2	15	38	.09	.01	.01	1.1	23.	10.	3
	G. P. Well #8, P.S.#3 off Oak St.	0	0	6.4	15	27	.01	.00	.00	0.4	20.	8.	2
	G. P. Wells 1,2,3. P.S.#1, Venturi Pit	0	5	6.3	19	45	.03	.07	.01	1.9	22.	12.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Foxboro	G.P. Wells 4,5,6.P.S.#2 First home after treatment	0	5	6.3	13	28	.07	.03	.01	0.5	18.	10.	3
	G.P. Wells 7,8.P.S.#3,1st house after treatment	0	5	6.3	16	34	.09	.00	.01	1.0	21.	9.	3
	Tap in Town Hall	0	3	6.3	14	38	.03	.01	.01	1.0	19.	10.	3
Framingham (MCDA)	Gravel Packed Well, Tap in P. S,	0	6	6.6	32	114	.01	.02	.01	1.8	127.	48.	25.
Franklin	G. P. Wells 1 & 2, Beaver Pond	2	17	6.8	21	37	.39	.59	.01	0.3	23.	13.	3
	G. P. Well #3, Grove St.	0	0	6.5	15	36	.00	.00	.01	1.4	16.	10.	3
	G. P. Well #4, Miller St.	0	1	6.5	12	28	.00	.00	.00	0.7	16.	8.	3
	Tap in Town Hall	1	7	6.5	16	43	.07	.15	.00	0.6	18.	10.	3
Freetown	Drilled Well #1, Assonet Bay Shores	2	40	6.6	80	112	.63	.52	.00	0.0	23.	11.	2
	Drilled Well #2, Assonet Bay Shores	1	23	7.2	80	113	.69	.61	.00	0.0	23.	15.	2
Gardner(State Hos.)	Tub. Wells, Tap in State Hospital	1	11	6.3	7	28	.16	.05	.00	0.1	9.2	5.	3
Georgetown	Metcalf Well	0	8	6.2	20	49	.23	.05	.01	0.5	15.	8.	3
	New G. P. Well	0	6	6.6	42	75	.06	.06	.02	0.2	16.	8.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Gill	Tap at Spring	0	1	6.7	28	49	.14	.01	.00	1.6	15.	7.	3
	Mt. Hermon School, Tubular Wells	1	3	6.5	10	27	.16	.00	.01	1.0	8.3	5.	3
Gosnold	Tub. Wells before treatment	0	3	7.3	26	24	.14	.00	.00	0.7	27.	22.	3
	Tub. Wells after treatment	0	8	7.7	33	25	.15	.00	.01	0.7	28.	26.	3
Grafton(So. W.D.)	G. P. Well #1, Tap in P. S.	1	6	6.2	8	27	.16	.01	.01	2.2	31.	17.	3
	G. P. Well #2, Tap in P. S.	0	3	6.2	9	32	.03	.00	.01	3.6	38.	18.	3
Grafton (Water Co.)	Dug Wells, Tap in P. S.	0	12	6.7	22	79	.01	.00	.00	4.1	71.	34.	3
	G. P. Well #3, No. Grafton	1	12	6.5	26	67	.56	0.5	.11	0.7	58.	23.	3
Granby	Deep Tub. Well, Tap in P. S.	1	3	7.0	69	108	.01	.00	.00	1.5	7.0	6.	2
Granville	Collecting Well & Spring, Tap	0	4	6.7	17	21	.04	.00	.00	0.0	1.8	2.	3
	Deep Tub. Well, Tap in P. S.	0	5	7.2	35	36	.05	.00	.00	0.0	4.5	3.	1
Greenfield	Dug Well near Green River, Tap in P.S.	0	14	7.2	38	41	.02	.00	.00	0.1	3.8	2.	2
	Mill Brook G. P. Well #1, Tap in P. S.	1	3	6.6	21	52	.04	.02	.00	0.5	22.	8.	1
	Mill Brook G. P. Well #2, Tap in P. S.	0	0	6.6	13	34	.00	.00	.00	0.3	8.5	3.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Greenfield	Mill Brook G. P. Well #3, Tap in P.S.	10	25	6.6	15	46	.66	.06	.00	1.1	36.	14.	1
Groton	G. P. Well, Shattuck Field P. S.	0	27	6.6	34	51	.05	.09	.00	0.3	15.	6.	3
	Dug Well, Tap in P. S.	0	2	6.7	39	46	.07	.10	.00	0.3	9.0	4.	3
	Storage Tank at Groton School	2	26	6.7	33	51	0.4	.01	.02	0.3	12.	5.	3
	Tub. Wells, Tap in P. S.	2	3	6.6	29	44	.18	.78	.02	2.8	15.	8.	3
Groveland	G. P. Well #1	1	9	6.7	47	71	.20	.01	.00	0.4	12.	7.	3
Hadley	New G. P. Well	0	5	6.9	69	104	.00	.00	.00	1.9	8.5	6.	1
Halifax	G. P. Well #1	1	5	6.6	30	32	.50	.38	.11	0.2	14.	11.	2
	Tap in Town Hall	0	7	6.6	32	35	.34	.23	.02	0.1	13.	6.	2
Hamilton	School St. Well, Tap in P. S.	0	2	6.8	49	95	.02	.00	.01	3.4	36.	17.	3
	Patton G. P. Well, Tap in P. S.	0	4	6.8	52	70	.15	.45	.01	0.1	18.	10.	3
	Pleasant Pond, Caisson Well	0	7	7.2	103	133	.14	.04	.01	0.4	19.	11.	3
	G. P. & Tub. Wells, Tap in Bridge Sta. St.	0	4	6.7	23	64	.05	.00	.00	0.6	52.	20.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Hanover	G. P. Well #1, Hanover St.	0	15	6.2	15	60	.03	.00	.00	1.6	43.	26.	3
Hamilton	G. P. Well #2, Hanover St.	0	2	6.2	15	52	.15	.00	.00	0.6	22.	12.	3
	G. P. Well #1, Pond St.	2	310	6.1	27	53	6.2	1.1	.37	0.1	81.	38.	2
	G. P. Well #2, Pond St.	2	180	6.2	20	51	3.4	1.3	.18	0.4	65.	30.	2
	Tindale G. P. Well #1	1	4	6.3	21	45	.29	.03	.00	0.7	22.	13.	3
	Tindale G. P. Well #2	8	28	6.1	19	72	1.3	.51	.02	0.5	38.	20.	3
	Tap in Town Hall	1	20	6.1	18	60	.14	.01	,01	1.3	39.	24.	3
Hardwick (Gilbertville)	G. P. Well, New Braintree	0	2	6.6	22	29	.01	.00	.00	0.2	4.	3.	3.
Hardwick (Water Assn.)	Tub. Wells from Tap	0	2	7.0	60	109	.03	.00	.00	3.0	29.	10.	3
Hardwick(Wheelwright)	Tap in P. S. Tubular Wells	0	3	6.6	15	21	.08	.01	.00	0.3	7.8	4.	3
Harvard	Tub. Wells, Tap in District	0	3	6.5	18	35	.01	.00	.01	2.4	11.	6.	3
	New Drilled Well	0	3	6.9	54	106	.01	.00	.01	1.8	64.	24.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Harwich	G. P. Wells, Tap in old P. S.	0	2	6.5	11	18	.11	.03	.01	0.2	17.	10.	2
	G. P. Well #1	0	3	6.5	13	18	.01	.19	.01	0.2	16.	10.	2
	G. P. Well #2	0	1	6.3	9	14	.01	.00	.00	0.6	16.	9.	2
	G. P. Well #3	0	0	6.2	8	15	.00	.00	.00	0.1	16.	10.	2
	Tap on System	0	2	6.5	14	24	.03	.08	.00	0.2	15.	10.	2
Hingham	G. P. Well #2 Free St. RAW	0	15	6.8	64	124	.09	2.0	.01	0.3	24.	16.	1
	G. P. Well #2 Free St. FINISHED	0	15	6.8	53	126	.05	.00	.00	0.2	27.	17.	1
	G. P. Well #3 Free St.	0	6	6.7	52	88	.01	.18	.00	0.9	22.	14.	1
	G. P. Well off Scotland St.	0	0	6.7	32	68	.01	.01	.00	1.3	17.	13.	2
	Tap in Town Hall	1	0	7.0	39	62	.10	.06	.02	0.7	28.	13.	2
Holden	G. P. Well, Spring St.	0	6	6.3	11	40	.00	.00	.00	0.6	22.	22.	2
	G. P. Wells, Tap in Town	0	1	6.5	12	20	.00	.00	.01	0.6	18.	21.	2
	Mill St. Tubular Well Field	0	0	6.4	11	21	.00	.00	.00	0.3	16.	4.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Holliston	G. P. Well #1, Tap in P. S.	0	5	6.8	33	46	.03	0.4	.03	0.5	17.	9.	3
	G. P. Well #2	0	0	6.3	17	56	.02	.00	.00	1.9	56.	34.	3
	G. P. Well #3	2	3	6.5	30	47	.26	.09	.01	0.1	19.	10.	3
	G. P. Well #4, Tap in P. S.	0	7	6.4	22	37	.07	.11	.01	0.1	13.	9.	3
Holyoke	Driven Wells at Wolohan Site off Rte202	0	3	6.9	28	34	.02	.00	.00	0.0	3.5	4.	3
Hopedale	Tub. Wells, Tap in P. S.	0	12	7.3	89	39	0.4	.03	.00	1.4	14.	47.	3
	G. P. Well near Mill River	0	23	6.9	71	25	1.0	.53	.07	0.1	25.	44.	3
Hopkinton	G. P. Well #2 Fruit St. Sta.	0	6	6.8	21	37	.14	.01	.00	1.1	24.	14.	3
Hudson	Crystal Spring, Tap in P. S.	0	0	6.3	12	30	.01	.01	.00	0.4	19.	8.	2
	Kane Well	0	1	6.4	15	36	.08	.02	.00	2.2	19.	12.	3
Ipswich	G. P. Well Tap in Mile Lane P. S.	0	0	6.9	67	90	.03	.02	.00	1.0	18.	10.	1
	Brown G. P. Well	1	16	7.3	96	119	.12	.09	.11	0.2	32.	15.	3
	Winthrop G. P. Well, Tap in P. S.	5	48	7.1	47	69	1.2	1.3	.08	0.3	30.	15.	2
	Winthrop Gravel Developed Well	5	53	6.8	46	69	1.7	1.5	.15	0.5	28.	15.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Ipswich	Tap in Town	1	12	7.2	89	149	.08	.02	.01	0.2	27.	15.	3
Kingston	G. P. Well #1, Soule Pond	0	2	6.5	16	21	.06	.25	.00	0.1	13.	8.	3
	G. P. Well #2, South St.	0	3	6.5	15	20	.01	.11	.01	0.1	11.	8.	3
	G. P. Well #3 Winthrop St.	0	10	6.4	14	37	.02	.11	.01	0.3	30.	16.	3
	Tap on System	1	6	6.4	15	19	.08	.07	.00	0.1	14.	9.	2
Lakeville	Buena Vista Shores, Tap in P. S.	1	0	6.3	30	53	.03	.04	.15	5.6	24.	16.	2
	G. P. Well - Raw	1	8	6.2	10	46	.46	.06	.00	1.3	11.	7.	2
	G. P. Well - Treated	0	10	6.6	59	41	1.0	.03	.00	1.3	8.5	28.	3
Lancaster	Tap in Town	0	0	6.8	26	35	.01	.00	.00	0.7	6.0	5.	3
	G. P. Well, Tap in P. S.	0	0	6.8	24	33	.00	.00	.00	0.7	5.5	5.	3
Lanesborough	G. P. Wells, Tap in P. S.	0	2	7.3	177	197	.00	.00	.00	0.8	19.	10.	3
Leicester (Hillcrest W.D.)	Deep Well, Tap in P. S.	0	4	6.9	86	113	.03	.03	.01	0.0	27.	13.	3
Leicester (Water Supply Dist.)	G. P. Well #1, Tap in P. S.	0	5	6.9	39	66	.02	.20	.00	3.1	13.	7.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Leicester (Water Sup.Dist.)	G. P. Well #2, Tap in P. S.	0	3	7.2	60	76	.01	.00	.00	1.0	15.	10.	2
Leicester	G. P. Well #3, Paxton P. S.	0	0	7.4	60	82	.01	.00	.00	0.1	12.	9.	1
	G. P. Well #4	0	10	7.7	69	66	.01	.00	.01	0.0	4.5	16.	1
	Jim Dandy Dug Well	0	10	7.0	10	52	.03	.00	.01	1.8	14.	6.	1
Leominster	So. East Well Field, Tap in P. S.	0	0	6.9	15	24	.01	.00	.01	0.5	3.5	4.	2
Lincoln	Tower Rd. G. P. Well	4	10	6.3	24	74	.54	.02	.06	0.4	37.	11.	1
Littleton	New G. P. Well	0	0	6.9	24	70	.00	.00	.00	1.0	34.	--	1
	Tub. Well, Tap in P. S.	1	9	6.7	23	72	.35	.06	.04	0.9	59.	--	1
Lowell	Deep Tub. Well in General Hospital	0	3	7.0	65	112	.01	.00	.00	2.1	26.	14.	3
	Black Brook G. P. Wells	0	20	6.4	24	60	.56	.38	.01	1.2	11.	--	1
	Lower Black Brook G. P. Wells	0	20	7.0	22	20	.09	.04	.53	0.5	22.	26.	1
Lunenberg	Tap in Town Hall	0	6	6.8	25	5.9	.04	.01	.01	0.3	32.	14.	3
	G. P. Well off Lancaster Ave.	0	5	6.5	18	43	.07	.00	.01	0.2	43.	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Lunenbert	G. P. Well #1	0	0	6.4	16	57	.01	.00	.01	0.7	46.	17.	3
	G. P. Well #2	0	0	6.6	17	34	.01	.00	.01	0.1	14.	7.	2
Lynnfield	Tap in P. S. Phillips Road	0	18	7.0	71	101	.02	.01	.01	3.2	32.	17.	3
	G. P. Well #1, Tap in P. S.	0	8	6.8	51	92	.01	.00	.02	2.7	39.	17.	3
Manchester	New G. P. Well #1 near Main P. S.	0	6	6.5	30	60	.03	.05	.01	1.2	37.	19.	3
Mansfield	G. P. Well #1, Main P. S.	0	2	6.4	10	20	.00	.00	.00	0.3	11.	6.	3
	G. P. Well #2, W. Mansfield	0	5	6.3	16	39	.07	.41	.03	0.5	24.	10.	3
	G. P. Well #3, W. Mansfield	0	3	6.5	16	33	.00	.00	.00	1.0	14.	8.	3
	Tap in Town Hall	0	2	6.3	19	53	.01	.09	.00	0.7	19.	9.	3
Marion	G. P. Well #1 Rochester P. S.	1	10	6.3	16	20	.17	.01	.00	0.7	17.	13.	2
	G. P. Well #2 Rochester P. S.	1	15	6.3	17	20	.57	.03	.01	0.3	6.8	8.	2
	Tub. Wells, Mary's Pond Rd.	0	3	6.3	22	38	.07	.00	.00	0.3	9.3	9.	2
	Tub. Wells P. S. Road	0	0	6.3	21	50	.02	.00	.00	0.2	6.8	7.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Marshfield	G. P. Well #1 at Furnace Brook	0	0	6.3	24	50	.04	.00	.00	1.1	52.	19.	1
	G. P. Well #2 at Furnace Brook	0	6	6.4	14	29	.03	.01	.00	0.6	26.	19.	2
	G. P. Well #3 at Main & Furnace St.	0	6	6.3	17	33	.08	.00	.00	0.4	43.	18.	2
	G. P. Well #4, Wheeler Pit	0	0	6.4	17	22	.04	.00	.00	0.9	18.	10.	2
	Tap in Town Hall	2	3	6.4	26	59	.04	.01	.00	0.6	35.	16.	2
	Tubular Wells	0	12	6.6	15	22	.08	.00	.01	0.4	24.	10.	1
Mashpee	G. P. Well #1, High Wood Water Co.	0	6	6.7	8	16	.04	.01	.00	0.2	16.	10.	3
	G. P. Well #2, High Wood Water Co.	0	3	6.6	9	15	.00	.00	.00	0,4	15.	9.	3
	Tap on System	0	3	6.8	15	33	.02	.00	.00	0.3	14.	10.	3
Mattapoisett	G. P. Well #3	0	3	6.6	10	21	.01	.03	.01	0.3	10.	6.	3
	Tubular Well #2	0	1	6.5	17	31	.03	.00	.01	0.1	11.	8.	3
	Tap at Town Hall	0	3	6.4	19	64	.03	.01	.01	0.3	7.5	6.	3
Maynard	Old Quirk G. P. Well	0	0	6.5	21	40	.01	.00	.00	0.4	14.	10.	1
	New Quirk G. P. Well #1	0	0	6.4	20	40	.00	.00	.00	0.5	8.3	13.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Medfield	G. P. Well #2 Charles River	1	6	6.8	47	76	.08	.00	0.3	3.9	43.	20.	2
	G. P. Well #3 Elm St.	0	3	7.2	39	45	.00	.00	.01	0.8	13.	13.	3
	Tap in Town Hall	0	3	7.3	39	39	.01	.00	.00	0.8	15.	14.	3
Medfield State Hos.	Tubular Wells, Tap in P. S.	0	5	7.3	58	36	.04	.02	.01	0.6	15.	22.	3
	Tap on System	1	15	7.3	56	44	.16	.01	.00	0.5	14.	20.	3
Medway	G. P. Well, Tap in P. S.	0	5	7.0	28	49	.01	.00	.00	1.2	22.	11.	3
	G. P. Well Tap in Oakland St. P. S.	1	13	6.5	17	32	.24	.05	.03	2.2	16.	9.	3
Merrimac	Tubular Wells, Tap in P. S.	7	42	6.3	22	49	1.6	.48	.06	0.4	25.	13.	3
Middleboro	Dug Well, Raw water	2	19	6.3	22	50	.54	.17	.01	1.7	54.	27.	3
	Outlet of Coke Filter	1	8	6.6	20	45	.18	.03	.01	1.6	54.	28.	3
	Final Effl. of Sand Filters	0	4	6.7	22	45	.06	.00	.01	1.6	51.	29.	3
	Rock Village Sta. G. P. Well #1	0	7	6.4	11	27	.00	.00	.00	1.1	43.	25.	3
	Rock Village Sta. G. P. Well #2	0	3	6.3	10	27	.01	.00	.00	1.4	43.	24.	3
	G. P. Well, East Main St. P. S.	0	3	6.1	12	31	.12	.01	.00	1.5	22.	13.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Middleboro	G. P. Well-Tespaquin	0	0	6.1	12	27	.06	.01	.00	1.0	24.	13.	3
	Tap at Town Hall	0	1	6.1	14	31	.08	.01	.00	1.2	37.	22.	3
Milford	Wells & Outlet of Filters	0	23	6.8	18	17	.35	.05	.13	0.1	14.	16.	3
	Dilla St. Well	7	27	6.3	32	41	2.9	.70	.07	0.2	22.	18.	3
Millbury	Dug Wells, Tap in P. S.	0	2	6.1	13	58	.12	.32	.01	1.9	90.	38.	3
	Dority Pond, G. P. Well	0	2	6.1	16	93	.03	.31	.01	1.9	162.	68.	3
	G. P. Well, Oak Pond	0	2	6.0	16	93	.02	.29	.00	1.9	160.	64.	3
	Jacques Curve Well #2	0	2	6.2	27.	77	.07	.26	1.5	1.8	93.	42.	3
Millis	G. P. Well #1, Tap in P. S.	0	18	6.7	42	71	.01	.00	.00	2.3	31.	13.	2
	G. P. Well #2, Tap in P. S.	0	28	6.6	36	75	.01	.11	.00	1.6	43.	17.	3
Monson	G. P. Well off Palmer Road	0	0	6.5	21	39	.02	.03	.01	1.2	23.	9.	3
	Bunyon Road, G. P. Well	0	0	6.5	16	29	.01	.00	.00	0.7	9.5	5.	3
Monson State Hos.	Tub. Wells before treatment	1	4	6.4	22	33	.10	.00	.01	0.8	11.	7.	3
	G. P. Well, Tap	1	3	6.4	18	30	.09	.11	.00	0.8	10.	7.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Montague	Springs - Tap	0	0	6.5	24	37	.01	.00	.00	0.5	10.	4.	2
Montague Turner Falls F.D.	G. P. Well off Central St.	0	3	7.1	55	68	.10	.08	.00	0.0	6.2	3.	3
Monterey	Artesian Well	0	18	7.1	71	85	.04	.02	.00	0.1	14.	5.	2
	Reservoir	0	5	7.1	90	99	.14	.01	.00	0.1	20.	8.	2
Siasconset W. Dept. Nantucket	Dug Wells, Tap in P. S.	0	2	6.8	22	31	.05	.00	.00	1.0	21.	13.	3
	G. P. Well, Tap in P. S.	1	3	6.8	27	37	.13	.00	.00	1.2	20.	13.	3
	Tap on System	0	0	6.8	25	35	.01	.00	.00	1.3	21.	13.	3
Wannacommet W. Dept. Nantucket	Tap on System	0	5	6.6	13	23	.07	.00	.01	0.3	21.	14.	3
Nantucket	Tub. Wells, Treated Wyers Valley	0	1	6.7	16	25	.01	.00	.01	0.3	22.	13.	3
Natick	G. P. Well Morses Pond, Rogers Res.	0	2	6.4	24	129	.05	.09	.13	1.5	150.	64.	3
	G. P. Well #1, Pine Oaks before Trtm.	0	2	6.5	49	103	.01	.18	.00	1.0	53.	15.	2
	G. P. Well #2, Pine Oaks before Trtm.	0	5	6.7	63	118	.05	0.8	.05	0.3	60.	20.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Natick	G. P. Well #3, Pine Oaks before Trtm.	0	7	6.7	53	109	.02	.20	.15	0.4	52.	19.	2
	G. P. Wells 1,2 &3 after treatment	0	4	6.7	62	63	.01	.25	.00	0.7	63.	18.	2
	Dug Well, Springvale	0	10	7.0	55	89	.01	.31	.13	0.5	57.	24.	3
	G. P. Well #3 Springvale after trtm.	0	3	7.1	55	89	.00	.02	.00	0.6	60.	26.	3
	G. P. Well #4 Springvale after trtm.	0	0	7.0	54	86	.01	.34	.05	0.3	52.	26.	2
	G. P. Well #5 Springvale after trtm.	0	7	7.1	57	92	.00	.25	.01	0.8	58.	31.	3.
	Tap in Town Hall	0	8	7.0	50	95	.01	.01	.02	0.6	59.	26.	3
Needham	Dug Wells P. S. #1 Dedham Ave.	0	0	6.3	16	74	.01	.00	.02	4.7	51.	22.	3
	G. P. Well #2 Charles R. St. P. S.	0	2	6.8	53	79	.01	.01	.01	0.5	31.	21.	3
	G. P. Well #3 Charles R. St. P. S.	0	2	6.8	46	67	.00	.01	.01	0.9	39.	16.	3
	Tap at Town Hall	1	11	6.8	45	70	.41	.00	.02	0.9	37.	17.	3
New Braintree	Drilled Wells, Pioneer Valley	0	4	7.2	57	53	.08	.00	.00	0.0	5.8	18.	3
Newbury	Tap in Rear End of Distribution System.	0	1	6.8	56	83	.01	.00	.02	0.3	16.	8.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Newburyport	Old G. P. Well #1 Ferry Rd. P. S.	2	12	6.6	32	35	.01	.00	.00	0.8	12.	7.	3
	New G. P. Well #2 Ferry Rd.	0	7	6.8	39	105	.01	.00	.00	1.2	49.	13.	3
New Marlborough	Springs Tap on System Mill River	1	7	7.3	146	153	.05	.00	.00	0.1	6.2	5.	3
Norfolk (Bondville Hospital)	Tubular Wells, Tap in P. S.	1	7	6.6	20	75	.10	.00	.00	0.8	63.	22.	3
Norfolk (MCI & Wrentham State School	Tap on System	0	5	6.8	44	62	.01	.00	.00	1.9	29.	14.	2
Norfolk (MCI)	Tubular Wells	0	2	6.6	15	29	.02	.00	.01	0.5	12.	6.	3
	Dug Well	0	4	6.7	26	39	.02	.00	.00	0.4	7.3	5.	3
	New G. P. Well - Raw	5	23	6.6	26	59	1.0	.09	.08	0.2	12.	7.	3
	New G. P. Well - Treated	0	7	8.3	79	107	.03	.01	.05	0.2	13.	7.	3
	Tap on System	0	2	6.8	38	59	.02	.01	.00	0.4	13.	7.	3
North Adams	New G. P. Well	0	12	7.9	96	121	.12	.00	.00	0.2	5.0	3	3
Northampton	G. P. Well #1	0	1	6.8	25	39	.01	.00	.00	1.4	7.8	5.	3
	G. P. Well #2	0	5	6.8	23	28	.00	.00	.00	1.2	3.5	3.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
North Attleborough	Dug Well, Tap in P. S.	0	8	6.9	47	43	.16	.04	.00	0.9	28.	29.	3
	Caisson Well #1	0	4	6.2	12	42	.06	.00	.01	1.3	50.	26.	3
	Caisson Well #2	0	0	6.3	11	45	.01	.07	.02	1.6	32.	18.	3
	Caisson Well #3	0	0	6.3	19	55	.00	.04	.00	1.6	19.	18.	3
	G. P. Well #5 Kelly Blvd.	0	0	6.8	63	54	.00	.00	.00	0.1	30.	23.	3
	Tap in Town Hall	0	4	6.9	44	46	.08	.04	.00	0.8	27.	28.	3
No. Attleborough Brady Water Co.	G. P. Well	0	7	6.4	18	42	.04	.00	.01	3.5	10.	6.	3
	Tap on System	0	7	6.7	28	67	.01	.00	.00	3.4	9.3	6.	3
Northborough	Brigham St. G. P. Well	0	1	6.6	28	50	.10	.09	.01	2.9	13.	6.	3
	Lyman St. G. P. Well	0	12	6.6	29	44	.31	.11	.02	0.2	14.	8.	3
	G. P. Well Crawford St.	0	5	6.7	19	43	.05	.00	.01	0.2	18.	6	2
Northbridge	Tub. Wells at Meadow Pond P. S.	1	13	6.3	21	29	0.7	.21	.05	0.3	18.	9.	3
	Tub. Wells at Cook Allen Res.	0	3	6.3	10	12	.04	.00	.00	0.1	5.3	5.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Northbridge	New G. P. Well, Tap in P. S.	1	16	6.6	23	23	0.6	.39	.27	0.3	11.	7.	3
North Reading	G. P. & Tub. Wells, Skug River	0	14	6.5	15	37	.16	.07	.10	0.8	39.	12.	3
	G. P. Well #1 Martin's Pond	0	33	6.6	32	65	3.4	.43	.14	0.7	42.	19.	3
	G. P. Well #2, Martin's Pond	16	103	6.5	26	50	3.2	.40	.13	0.1	31.	18.	3
	G. P. Well at Furbush Pond	0	16	6.4	26	71	.16	.37	.16	0.1	33.	11.	3
No. Reading (Rehabilitation Ctr.)	Tubular Well, Tap in P. S.	1	7	6.7	22	51	.10	.01	.01	2.6	26.	13.	3
Norton (Wheaton College)	Driven well, Tap in P. S.	0	2	6.6	56	113	.09	.04	.00	4.0	44.	22.	3
Norton	G. P. Well #1 Tap in Pine St. P. S.	0	3	6.4	17	27	.05	.23	.01	0.2	10.	6.	3
	G. P. Well #2, Tap in Pine St. P. S.	0	3	6.4	14	23	.06	.03	.01	0.1	10.	6.	3
	G. P. Well #3, Newland St.	0	2	6.2	12	18	.04	.00	.00	0.4	11.	6.	3
	G. P. Well #4, Plain St.	0	5	6.4	15	21	.03	.07	.01	0.4	9.3	7.	3
	Tap in Post Office	0	3	6.4	17	31	.01	.00	.01	0.2	8.7	6.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Norwell	Gravel developed well #1, South St.	0	2	6.3	12	89	.09	.07	.00	0.2	260.	110.	3
	Gravel developed well #2, Grove St.	0	1	6.5	15	21	.00	.00	.00	0.5	18.	8.	3
	Gravel developed well #3, Grove St.	0	0	6.5	11	27	.01	.01	.00	1.0	24.	12.	3
	Gravel developed well #4, Ridge Hill Rd.	0	0	6.1	13	62	.01	.04	.00	3.1	61.	26.	3
	Gravel developed well #5, Grove St.	0	0	6.2	13	36	.01	.01	.00	1.6	29.	12.	3
	Tap on System	0	4	6.3	22	42	.12	.01	.00	1.3	25.	13.	3
Oak Bluffs	Spring direct from pump	0	4	6.7	10	9	.22	.00	.00	0.2	11.	8.	3
	3 G. P. Wells - Direct	2	8	6.6	10	11	0.7	.00	.00	0.1	11.	9.	3
	Tap in Water Dept. Office	0	6	6.6	10	13	0.6	00	.01	0.1	12.	8.	3
Orange	Crystal Spring	0	11	6.4	12	16	.07	.00	.01	0.1	13.	4.	2
	G. P. Well at Magee's Meadow	0	2	6.3	11	34	.03	.00	.00	0.5	22.	10.	2
	Tap - 16 We. Myrtle St.	0	0	6.3	13	32	.02	.00	.00	0.5	25.	9.	2
Orleans	G. P. Well #1, Tap in P. S.	0	1	6.5	10	13	.05	.01	.00	0.0	13.	12.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Orleans	G. P. Well #2, Tap in P. S.	0	1	6.4	12	16	.01	.00	.00	0.0	20.	12.	3
	G. P. Well #3, Tap in P. S.	0	1	6.4	8	18	.06	.00	.00	0.0	19.	12.	3
	Tap in Town Hall	0	1	6.3	12	17	.00	.01	.00	0.1	21.	12.	3
Oxford	G. P. Well #1	0	3	6.5	24	48	.01	.00	.00	1.5	26.	11.	3
	New G. P. Well #2	0	1	6.5	23	46	.01	.00	.00	1.5	21.	11.	3
	Partridge Rd. G. P. Well	0	1	6.5	24	22	.08	.00	.00	0.6	4.7	4.	3
Palmer(Three Rivers)	Tap in P. S. Tubular Wells	0	1	6.5	26	39	.03	.00	.00	1.3	13.	9.	3
	G. P. Well off Oak St.	0	2	6.8	22	36	.02	.28	.12	1.3	13.	6.	3
Palmer	Tub. Wells, Tap in P. S.	0	0	6.7	24	40	.01	.00	.00	1.2	13.	7.	3
Palmer (Bondsville)	Tubular Wells from tap	0	2	6.5	17	46	.00	.00	.00	0.8	9.0	4.	1
Peabody	Tap in Pine St. P. S.	0	15	6.6	54	84	.04	.16	.02	0.8	39.	20.	3
	Tap in Johnson St. P. S.	0	17	6.8	64	96	.42	.35	.07	0.5	37.	17.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Pembroke	G. P. Well #1 Hobomock	2	8	6.5	19	24	.53	.06	.01	0.9	17.	10.	3
	G. P. Well #2 Centre St.	0	6	6.4	14	22	.13	.06	.00	0.8	16.	11.	3
	Tap in Town Hall	1	6	6.4	16	32	0.5	.05	.00	0.9	16.	10.	3
Pepperell	Tubular Wells, Tap in P. S.	0	9	6.6	13	18	.05	.00	.01	0.3	6.0	4.	3
Plainville	G. P. Well off Rte 106	0	5	6.1	9	40	.06	.17	.00	1.0	65.	28.	2
	G. P. Well #2 off George St.	0	6	6.2	7	31	.12	.26	.02	0.4	38.	19.	2
	Tap in Town Office	0	8	6.7	36	33	.11	.03	.00	0.6	42.	34.	2
Plymouth	G. P. Wells-MCI Forestry	0	4	6.6	7	12	.13	.01	.00	0.2	7.5	7.	2
Plymouth W.D.	G, P. Well, Wanno's Pond	0	2	6.5	9	11	.15	.01	.00	0.3	13.	10.	3
	G. P. Well, Lout Pond	1	5	6.5	9	13	.23	.01	.01	0.0	9.0	7.	3
	G. P. Well, Ship Pond	0	1	6.5	8	14	.02	.00	.01	0.5	11.	8.	3
Plymouth (Aqua Corp.)	Drilled Well, Lookout River	0	1	6.6	10	15	.04	.00	.00	0.2	8.7	7.	3
	Drilled Well, Nameloc Hts.	0	3	6.6	9	13	.09	.00	.01	0.1	12.	7.	3
	Drilled Well, Surfside	0	3	6.4	10	17	.06	.00	.01	0.0	12.	8.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Plymouth (Aqua Corp.)	Drilled Well, Bayberry	0	3	6.4	6	11	.01	.01	.00	0.0	11.	8.	3
	Manomet Beach, Colony Beach	0	5	6.3	11	13	.08	.01	.01	0.1	12.	8.	3
Provincetown	5 G. P. Wells, No. Truro	0	3	6.5	14	39	.43	.15	.00	0.4	98.	43.	3
	3 G. P. Wells, So. Hollow Station	0	4	6.7	10	22	.10	.00	.00	0.3	40.	18.	2
	Tap, Adams Pharmacy	0	3	6.6	19	31	.05	.00	.00	0.3	41.	19.	3
Randolph	South St. G. P. Well	0	2	6.7	43	72	.00	.19	.04	2.4	29.	17.	3
Provincetown	Tubular Wells, Donna Road	0	5	6.6	28	72	.02	.04	.03	2.1	31.	17.	3
	Tap in Town Hall	0	8	7.0	25	42	.08	.07	.03	0.3	54.	38.	3
	Devine School, No. Randolph	1	14	7.2	26	41	0.5	.05	.04	0.3	52.	26.	3
Raynham Center	Caisson Well, Johnson's Pond	2	22	6.2	10	19	0.7	.34	.02	0.3	8.9	7.	3
	Caisson Well #2 off Elm St.	0	3	6.2	13	35	.12	.03	.00	0.5	17.	10.	3
	Tap in Town Hall	0	2	6.2	17	54	.03	.04	.01	0.5	16.	10.	3
Raynham Fire Dist.	Tubular Wells	0	0	6.0	17	23	.01	.00	.00	0.6	8.8	6.	3
	Caisson Well	0	0	5.9	11	49	.03	0.9	.01	4.0	34.	22.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Raynham Fire Dist.	Tap at 331 King Phillip St.	0	3	5.9	13	55	.01	0.8	.02	4.1	32.	21.	3
Reading	P. S. #1 at 100 Acre - Raw water	16	107	6.4	32	71	12.	0.6	.34	0.1	58.	31.	3
	Effluent of Aeration	24	273	6.5	37	70	12.	.57	.38	0.1	58.	32.	3
	Effluent of Sedimentation	0	40	8.1	74	53	.74	.03	.38	0.2	121.	99.	3
	Effluent of Sand Filter	0	23	7.7	58	45	.09	.03	.20	0.3	106.	73.	3
	Regay Meadow, G. P. Well #2	2	35	6.5	43	130	0.9	0.7	.08	3.2	90.	43.	2
Rockport	Tubular Wells, Raw Water	0	22	6.2	14	23	.13	.27	.01	0.4	19.	11.	3
	Tubular Wells - Treated	1	30	7.7	53	58	.16	.25	.01	0.4	18.	12.	3
Rowley	Tubular Wells, Tap in P. S.	0	2	7.3	77	113	.06	.00	.00	0.8	55.	17.	3
	New G. P. Wells, Rtes 17 & 133	1	6	6.9	37	91	.11	.00	.00	1.1	103.	34.	3
Royalston	Tap in P. S.	2	14	7.0	51	69	.56	.37	.07	0.0	7.5	10.	3
Russell	G. P. Well #1, Tap in P. S.	8	12	6.9	32	38	3.5	.00	.00	0.6	8.3	3.	2
	G. P. Well #2 near Rte 20	0	4	7.0	43	51	.17	.00	.00	0.7	19.	5.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Salisbury	G. P. Well #6, Tap in P. S.	0	5	6.6	27	64	.02	.01	.01	0.6	77.	33.	3
	G. P. Well #1	13	50	7.1	53	120	1.6	.06	.00	0.0	32.	14.	1
	G. P. Well #5	1	0	7.0	20	40	.08	.00	.00	0.2	30.	16.	1
	G. P. Well #7	1	0	7.1	61	82	.00	.00	.00	0.4	19.	6.	1
Sandwich	2 G. P. Wells Tupper Road	1	3	6.6	10	15	.13	.00	.02	0.4	25.	14.	2
	G. P. Well off Rte 6A	0	5	6.5	10	16	.02	.00	.01	0.1	18.	10.	3
	Tap in Town Hall	0	2	6.5	14	18	.00	.00	.00	0.1	18.	10.	3
Scituate	Webster's Meadow, Well #10	0	2	6.7	27	86	.01	.00	.00	1.5	85.	38.	2
	Webster's Meadow, Well #11	0	2	6.8	31	52	.01	.00	.00	1.4	30.	19.	2
	Stearns Meadow, Well #17	1	5	6.7	24	32	.03	.04	.00	0.2	22.	13.	1
	Boston Sand & Gravel, G. P. Well 18A	0	3	6.7	23	53	.01	.00	.00	0.8	59.	28.	2
	Fitts Well #20	0	0	6.5	29	58	.00	.00	.00	1.6	50.	25.	2
	Old Oaken Bucket Pond - Raw	2	210	6.9	15	26	1.5	.14	.00	0.1	44.	25.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Scituate	Old Oaken Bucket Pond, Finished	0	4	6.7	14	41	.06	.11	.00	0.5	47.	35.	3
	Edison Station, Well #19	0	3	6.7	26	68	.01	.00	.00	1.5	53	26.	2
	Barnes Meadow, Well #22	0	0	6.5	25	64	.00	.00	.00	1.0	74.	25.	1
	Kent St. Well #2	0	10	7.2	168	236	.01	.18	.00	0.8	90.	53.	1
	Tap in Town Hall	0	3	6.5	25	51	.04	.00	.00	0.9	45.	29.	3
Seekonk	Tubular Well #1, Brown Ave.	0	2	6.9	50	81	.00	.01	.00	2.0	16.	9.	3
	G. P. Wells 2 & 3. Newman Ave. P. S.	0	3	6.9	57	69	.00	.21	.02	0.9	23.	18.	3
	Tap in Town Hall	0	2	6.8	40	57	.01	.19	.28	0.9	33.	18.	3
Sharon	G. P. Well #2-Moore Hill Parkway	1	7	6.6	37	46	.67	.23	.02	2.1	17.	14.	3
	G. P. Well #3, Farnham Road	0	9	6.7	37	51	.23	.29	.03	1.2	21.	13.	3
	G. P. Well #4, Tree Lane	0	2	6.7	46	77	.03	.00	.00	4.7	39.	21.	3
	Tap in Town Hall	0	2	6.7	47	83	.05	.01	.03	4.5	36.	22.	3
Sheffield	Farm House Spring, Direct	0	0	6.7	25	31	.01	.00	.00	0.1	2.2	2.2	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Sheffield	Red Rock Spring, Direct	0	0	6.6	20	30	.00	.00	.00	0.1	2.8	2.0	3
	Smith Spring, Direct	0	0	6.6	20	19	.00	.01	.00	0.2	2.5	1.5	3
	G. P. Well off Rte 7	0	2	7.2	138	129	.01	.00	.00	0.0	1.5	3.0	3
Shirley	Industrial School, New Tub. Wells	14	55	7.0	63	65	1.7	.35	.00	0.0	17.	10.	3
	Dug Wells, Tap near pump	0	4	5.9	5	33	.02	.06	.00	1.4	18.	11.	3
	G. P. Well, Tap in P. S.	0	3	6.4	21	29	.02	.06	.01	0.8	19.	10.	3
Shrewsbury	South St. Wells, Tap in P. S.	0	5	6.5	27	41	.21	.02	.01	1.4	32.	21.	3
	Sewell St. G. P. Well #4, Tap in P. S.	0	0	6.6	20	38	.01	.00	.00	0.8	22.	12.	2
	Sewell St. G. P. Well #5	0	2	6.6	21	58	.02	.02	.01	1.3	30.	18.	2
	No. Quinsigamond G. P. Well #1	0	1	6.4	36	59	.01	.00	.00	0.9	36.	17.	3
	No. Quinsigamond G. P. Well #2	0	0	6.4	39	92	.02	.04	.00	0.6	57.	20.	3
Somerset	G. P. Well #2, Brook St. Dighton	0	0	6.5	39	25	.00	.00	.00	1.4	7.8	17.	3
Southfield	Spring, Tap on System	0	3	7.2	53	55	.02	.00	.00	0.0	4.8	2.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
So. Hadley	G. P. Well, Tap	0	6	6.7	42	60	.01	.00	.00	0.7	7.8	5.	2
Spencer	Cranberry Brook, G. P. Well	0	3	7.0	13	22	.03	.00	.00	1.0	17.	10.	1
Sterling	Tub. Wells, Tap in P. S.	0	0	6.6	24	68	.01	.00	.00	0.7	16.	16.	2
	New G. P. Well	0	13	6.5	30	82	.02	.00	.00	0.8	52.	30.	2
Stockbridge	Hill Water Co. Springs	0	0	7.4	42	56	.01	.00	.00	0.0	2.0	2.	2
Stoughton	Tub. Wells, Harris Pond P. S.	0	2	6.6	20	46	.01	.00	.00	3.6	24.	15.	3
	G. P. Well, Fennell Site	0	1	6.6	25	37	.04	.05	.00	1.0	15.	9.	3
	G. P. Well, McNamara Site	0	6	6.4	17	33	.01	.00	.00	0.5	12.	8.	3
Sturbridge	G. P. Well #1	4	40	6.4	27	48	1.3	.10	.01	0.3	40.	16.	1
	G. P. Well #2	12	25	5.9	19	50	.90	.06	.03	0.5	32.	14.	1
Sudbury	G. P. Well #2 off Raymond St.	0	5	7.1	64	84	.01	.01	.00	0.0	15.	9.	3
	G. P. Well #5, Rte 117	0	5	7.3	36	35	.29	.01	.00	0.5	8.3	13.	3
	Warren Road Well #4	0	3	7.1	46	57	.00	.00	.00	2.2	16.	12.	3
	Pratts Mill Well #3	0	4	7.1	37	33	.00	.06	.07	2.4	24.	23.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Sudbury	Tap in Town Hall	0	3	7.2	62	83	.08	.00	.00	0.4	16.	4.	3
Sunderland	Tub. Wells, Tap in P. S.	0	3	7.2	47	52	.00	.00	.00	0.1	3.7	4.	3
Sutton	Dug Well, Direct	0	7	6.7	28	53	.07	.01	.00	3.5	21.	13.	3
	Tubular Wells, Tap in Town	0	6	6.8	43	85	.03	.00	.00	2.3	37.	16.	3
	Weir Springs, Direct	0	8	6.7	37	76	.17	.00	.00	3.2	41.	20.	3
Sutton (Manchaug)	G. P. Well #1, Tap in P. S.	0	6	6.3	15	35	.04	.04	.00	0.1	33.	21.	3
	G. P. Well #2, Tap in P. S.	0	5	6.3	25	37	.06	.02	.00	0.1	40.	21.	3
	G. P. Well #3, Tap in P. S.	0	2	6.3	15	33	.07	.02	.01	0.1	33.	21.	3
Swansea	G. P. Well #1, Midwood	1	29	6.6	19	23	0.7	0.4	.02	0.2	9.0	7.	3
	G. P. Well #2, Midwood	3	183	6.5	27	28	4.1	.58	.22	0.0	16.	7.	2
	G. P. Wells 4 & 5, Maher Field	0	11	6.4	17	44	.22	.02	.01	1.5	18.	12.	3
	G. P. Well #6, Vinnicum Road	0	1	6.4	19	49	.05	.02	.00	1.6	15.	10.	3
	G. P. Well #7, Raw Water	6	25	6.4	23	54	.80	.08	.00	0.7	16.	10.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Swansea	Midwood G. P. Well #3	0	24	6.3	18	23	.50	.29	.03	0.0	15.	10.	3
	Tap in Town	0	1	6.5	27	64	.08	.02	.00	1.7	16.	11.	3
Taunton	G. P. Well #1, Paul Dever School	0	3	6.5	21	37	.08	.01	1.0	3.9	10.	9.	3
	G. P. Well #2, Paul Dever School	0	2	6.4	23	49	.04	.02	1.5	5.9	12.	10.	3
	G. P. Well #3, Paul Dever School	2	8	6.5	26	39	.29	.01	.00	0.9	9.0	12.	3
Templeton	G. P. Well #1, Baldwinville	0	2	6.5	13	15	.04	.00	.00	0.7	8.5	8.	3
	Emergency G. P. Well, E. Templeton	1	17	6.1	11	23	1.3	.05	.00	0.2	21.	9.	3
Tewksbury	G. P. Well #1	0	35	6.3	15	27	.56	.16	.03	0.7	25.	18.	3
	G. P. Well #2	3	83	6.3	37	51	1.9	.19	.16	3.0	24.	14.	2
	G. P. Well #3	0	10	6.3	13	40	.12	.08	.01	2.5	34.	16.	3
	G. P. Well #4	0	13	6.3	17	29	.41	.23	.05	0.4	21.	14.	3
	G. P. Well #5	0	0	6.3	13	33	.01	.00	.00	3.3	25.	12.	3
	G. P. Well #6	0	15	6.2	14	44	.01	.79	.02	1.3	41.	20.	3
	G. P. Well #7	3	60	6.5	52	58	1.4	2.4	.04	0.4	26.	15.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Tewksbury	G. P. Well #8	0	0	6.4	12	49	.01	.00	.00	1.8	43.	20.	3
	G. P. Well #9	0	8	6.4	15	68	.00	.05	.00	2.0	34.	17.	2
	G. P. Well #10	1	8	6.6	24	105	.27	.27	.00	0.8	21.	10.	3
	G. P. Well #11	0	1	6.6	21	39	.01	.00	.00	1.3	18.	9.	2
	G. P. Well #12	3	20	6.5	25	59	1.6	.11	.00	0.1	19.	11.	3
	Center of Town	0	12	6.3	19	54	.09	.06	.00	1.4	31.	18.	3
Tewksbury(State Hos.)	Old Wells, Tap in P. S.	0	9	6.5	15	42	.10	.15	.02	1.4	32.	17.	3
	New Tub. Wells, Tap in P. S.	0	14	6.5	23	47	.17	.30	.00	1.2	23.	15.	3
	Tap in Administration Bldg.	0	13	6.5	16	35	.08	.10	.00	1.3	29.	16.	2
Tisbury W. W.	G. P. Well #1, Edgartown Road	0	4	6.7	8	9	.05	.00	.00	0.0	11.	8.	3
	G. P. Well #2, W. Spring St.	0	5	6.8	10	10	.25	.00	.00	0.0	10.	7.	3
	Tap in Town	0	8	6.7	7	7	.19	.00	.00	0.0	11.	8.	3
Topsfield W. D.	Tubular Wells, Tap in P. S.	0	4	6.6	44	61	.04	.00	.00	1.6	20.	10.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Topsfield (Wylde Wood) Tap on System		0	6	7.1	82	99	.07	.00	.00	1.3	20.	10.	3
Townsend	Tubular Wells, Tap in P. S.	0	2	6.4	12	15	.01	.00	.00	0.4	8.3	5.	3
Upton	Tubular Wells, Tap in P. S.	0	1	6.4	15	31	.03	.00	.00	0.9	22.	9.	3
Uxbridge	G. P. Well #1, Tap in P. S.	2	17	6.3	19	30	0.6	.48	.05	0.5	20.	12.	3
	G. P. Well #2, Tap in P. S.	0	8	6.3	19	57	0.7	.22	.03	1.2	19.	12.	3
	G. P. Well #3	0	9	6.1	19	30	.44	.26	.00	0.3	25.	15.	2
Wakefield	Dug Well, Tap in P. S.	0	7	6.4	59	113	.06	.00	.00	4.6	45.	23.	3
Walpole	Tubular Wells, Washington St.	1	5	6.3	27	77	.24	.21	.02	1.5	49.	16.	2
	G. P. Well #1, Mine Brook	2	23	6.3	36	57	.50	.06	.02	0.6	57.	17.	3
	G. P. Well #2, Mine Brook	9	127	6.4	33	48	3.5	.15	.17	0.0	22.	11.	3
	Tap in Town Hall	0	6	6.2	34	64	.08	.16	.01	1.1	127.	41.	3
	G. P. Well #2, Washington St.	2	9	6.2	27	58	.18	.37	.04	1.1	177.	76.	3
Ware	Large Well before treatment	0	4	6.7	23	33	.00	.00	.00	1.2	10.	6.	3
	Large Well after treatment	0	2	8.6	73	32	.01	.00	.00	1.2	14.	41.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Ware	G. P. Well, Tap in P. S.	0	6	7.2	23	33	.00	.00	.00	1.2	11.	6.	3
Wareham F. D.	G. P. Well #1, Maple Springs	0	0	6.3	7	8	.01	.00	.00	0.0	7.8	6.	3
	G. P. Well #2, Maple Springs	0	2	6.3	7	9	.05	.01	.01	0.0	8.0	5.	3
	G. P. Well #3, Maple Springs	0	10	6.4	11	15	.18	.01	.01	0.0	8.5	5.	3
	G. P. Well #4, Maple Springs	0	3	6.3	7	10	.02	.00	.00	0.0	6.7	5.	3
	Tap in District Office	0	0	6.2	10	31	.01	.01	.00	0.0	7.3	5.	3
Wareham(Onset F.D.)	G. P. Well #5, Red Brook	0	10	6.2	4	10	.03	.00	.00	1.2	10.	6.	1
Walepole	G. P. Well 1, Happy Hollow	0	0	6.6	37	85	.00	.00	.01	3.4	36.	15.	3
	G. P. Well 2, Happy Hollow	0	3	6.6	44	112	.10	.00	.02	2.5	95.	26.	3
	G. P, Well #1, Campbell Rd.	0	0	6.8	41	105	.00	.38	.02	0.8	11.	7.	3
	Tap in Town Hall	0	1	6.9	42	103	.10	.01	.26	3.1	18.	9.	3
Warren W. D.	Tubular Wells, Tap in P. S.	0	3	6.4	12	14	.03	.03	.00	0.2	5.0	3.	3
Warren W. Co.	Dug Wells, Tap in Village	2	18	5.9	13	74	.81	.02	.01	0.4	115.	33.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Wayland	Baldwin Pond, G. P. Wells 1 & 2	0	5	6.6	51	89	.08	.19	.02	1.1	18.	10.	3
	Baldwin Pond, G. P. Well #3	0	3	6.7	44	97	.05	.00	.02	7.8	19.	10.	3
Webster	Well, Tap in P. S.	0	2	6.6	26	37	.05	.04	.02	0.6	20.	11.	3
	G. P. Well #2	0	2	6.5	32	43	.07	.08	.03	0.3	28.	15.	2
	Well #3, Bigelow Road	0	3	6.6	27	37	.02	.00	.00	1.2	13.	8.	2
Wellesley	2 Dug Wells, Wellesley Avenue	0	6	6.7	47	93	.03	.52	.02	1.3	54.	24.	2
	2 G. P. Wells, Morses Pond	0	7	6.6	44	88	.21	.34	.03	0.7	7.6	31.	2
	Tap, Public Works Bldg.	1	5	6.7	34	100	.21	.35	.01	1.2	62.	25.	2
	G. P. Well near Rosemary Brook	0	5	6.8	46	88	.03	.62	.01	1.1	56.	24.	1
	Thomas Coughlin, G. P. Well	0	4	6.7	44	82	.01	.50	.04	1.1	65.	31.	1
Wellesley College	Tubular Wells, Tap in P. S.	0	1	6.5	23	68	.05	.00	.01	0.8	61.	32.	3
Wenham	G. P. Well #1	0	2	7.1	90	119	.00	.00	.00	1.3	23.	16.	3
Westborough	G. P. Well, Hopkinton Rd. P. S.	0	1	6.4	20	43	.01	.00	.00	1.4	29.	14.	3
	G. P. Well #2, Morse St.	0	4	6.6	14	41	.01	.00	.00	1.1	46.	18.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
West Boylston	G. P. Well #3, Tap in P. S.	0	23	6.3	16	37	.25	.06	.01	0.4	31.	16.	3
	Oakdale G. P. Well, Tap in P. S.	0	2	6.4	20	58	.00	.00	.00	0.9	26.	10.	3
	G. P. Well #4, Lee St.	0	0	6.4	17	48	.00	.00	.00	1.2	22.	9.	3
	Pleasant Valley Well #1	0	0	6.3	14	27	.01	.00	.00	1.3	22.	11.	2
West Bridgewater	G. P. Well, Norman Ave.	0	2	6.1	9	45	.19	.09	.01	1.9	19.	14.	3
	Tubular Wells, Cyr St.	0	0	6.4	11	42	.01	.00	.00	3.7	22.	16.	2
	G. P. Wells, Rtes. 106 & 24	0	1	6.4	33	69	.02	.21	.02	0.2	39.	21.	3
	Tap in Town Hall	0	4	6.1	13	52	.25	.07	.00	1.0	17.	14.	3
West Brookfield	Tap in P. S.	1	5	6.6	12	30	.17	.12	.00	1.0	17.	8.	3
	Tubular Wells	33	50	6.2	9	15	2.1	.13	.08	0.0	9.0	6.	2
Westfield	G. P. Well off So. Holyoke Road	0	5	7.0	44	60	.01	.00	.01	1.7	19.	9.	2
	G. P. Well off Shaker Road	0	5	7.2	54	71	.03	.00	.00	1.5	13.	5.	2
	Well, Northwest Road	0	2	7.1	15	16	.00	.00	.00	0.3	8.5	3.	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Westfield Hospital	Tubular Wells before Treatment	0	4	6.7	55	97	.02	.00	.00	2.7	25.	11.	3
Westford	Tubular Wells, Tap in Westford P. S.	0	2	6.7	18	24	.08	.00	.00	0.3	15.	7.	2
	G. P. Well at Brookside P. S. #2	0	16	6.6	28	43	.02	.07	.02	0.8	25.	9.	3
	Brookside Sta. #2, Depot Road	0	3	6.5	20	37	.00	.01	.00	0.7	30.	14.	3
	G. P. Well, Cemetery Road	0	4	6.3	17	33	.03	.13	.00	1.0	20.	7.	3
	G. P. Well #5, Forge Village Road	3	22	6.5	30	35	0.8	.05	.00	0.1	19.	9.	3
Westhampton	Tap in Town	0	5	6.9	17	22	.04	.00	.00	0.0	5.7	4.	3
Westminster	Holmes Park Water District	0	4	6.7	14	7	.02	.01	.00	0.0	2.3	2.	3
Weston College	Deep Tubular Well	0	4	7.1	58	81	.03	.00	.00	0.8	17.	6.	3
Weston	Tubular Wells at Kendall Green	0	2	6.7	34	84	.06	.07	.00	0.8	37.	16.	2
	G. P. Well at Nickerson Field	0	5	6.6	71	273	.10	.00	.00	0.7	340.	109.	2
	G. P. Well Rte 128, Fitzgerald	0	1	6.6	30	118	.01	.00	.00	1.0	143.	39.	2
	Tap in Town Hall	0	4	6.8	18	50	.07	.00	.00	0.2	48.	22.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Westport	Tap on System	0	4	6.2	22	212	.18	.20	.01	0.9	488.	174.	2
Wesport (Acoaxet)	Tap on System-Upper	0	1	6.7	17	37	.03	.00	.00	3.8	16.	11.	3
	Tap on System-Lower	0	3	6.4	10	40	.05	.02	.00	4.3	19.	15.	1
West Springfield	G. P. Well #1, Southwick	0	3	7.5	40	61	.01	.01	.00	2.6	7.3	5.	2
	G. P. Well #2, Southwick	0	3	7.3	46	68	.01	.01	.00	3.2	8.5	6.	3
	G. P. Well #3, Gouthwick	0	0	7.5	54	73	.01	.01	.00	4.4	10.	6.	2
West Stockbridge	Spring Direct	0	8	7.5	147	148	.00	.00	.00	0.1	4.0	2.	3
	New Spring	0	6	7.6	18	25	.01	.00	.00	0.0	1.2	1.	3
Weymouth	G. P. Well, Circuit Ave.	0	18	6.9	84	68	.09	2.1	.05	0.6	54.	79.	3
	G. P. Well, Main St.	0	8	6.2	18	62	.01	.78	.01	4.2	43.	--	1
	G. P. Well, Whitman's Pond	0	11	6.9	51	41	.09	.35	.00	0.2	31.	32.	3
	G. P. Well, Winter St.	1	58	6.1	32	46	2.0	1.0	.21	0.1	42.	27.	2
Whately	Tap on System	0	2	7.1	75	83	.01	.01	.02	0.0	7.5	5.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Williamsburg	G. P. Well, Tap in P. S.	0	5	6.7	26	40	.02	.00	.01	0.6	6.0	3.	2
Williamstown	New Gravel Well	0	12	7.5	129	125	.21	.00	.00	0.0	1.2	3.	3
	Sherman Spring	0	2	7.6	92	94	.00	.00	.00	0.3	1.3	1.	3
	G. P. Well #2	1	22	7.8	132	128	.53	.05	.00	0.0	1.0	5.	3
Wilmington	Tub. Wells, Brown's Crossing P. S.	1	13	6.2	21	71	.38	.38	.05	1.2	70.	26.	3
	New Tub. Wells, Tap in P. S.	0	14	6.2	34	102	.02	.10	.01	3.6	91.	39.	3
	New G. P. Well, Chestnut St. P. S.	0	21	6.1	25	62	.23	.23	.07	0.1	82.	37.	3
	G. P. Well, Shawsheen Ave.	0	5	6.3	31	61	.02	.08	.03	1.1	31.	15.	3
	Aldrich G. P. Well	1	14	6.4	27	45	0.4	1.1	.08	0.3	27.	13.	3
	G. P. Well, Butters Road	2	53	5.9	17	63	2.0	.19	.15	0.0	93.	43.	3
	Town Park, G. P. Well	0	3	6.0	18	70	.36	.32	.08	0.4	44.	23.	2
	G. P. Well, Salem St.	0	2	6.4	20	19	.15	.03	.00	0.0	22.	8.	2
Woburn	G. P. Well A-2	0	7	7.1	58	106	.00	.07	.02	0.2	130.	53.	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Woburn	G. P. Well B	0	8	6.9	35	85	.01	.00	.01	0.1	118.	51.	2
	G. P. Well C-2	0	10	7.0	40	89	.00	.08	.03	0.6	110.	48.	2
	Well D	0	6	6.7	28	80	.01	.02	.00	0.6	100.	40.	2
	Well E	0	6	6.6	37	92	.01	.28	.05	1.4	104.	46.	2
	G. P. Well F	0	2	6.7	37	80	.00	.20	.02	0.5	70.	31.	2
	G. P. Well G	0	7	6.6	55	187	.01	.64	2.9	7.7	113.	85.	2
Worcester	Home Farm Well	0	1	6.8	37	75	.01	.00	.00	1.4	41.	22.	3
Worthington	Spring, Tap in Town	0	9	6.7	15	20	.22	.02	.01	0.2	3.6	1.	
	Deep Tubular Wells, Tap in P. S.	0	11	6.5	16	18	.23	.00	.00	0.1	3.8	1.	3
	Feeder Spring	0	1	6.3	9	9	.02	.01	.00	0.1	1.8	1.	4
Wrentham State School	Tubular Well, Tap in P. S. #1	0	0	6.5	15	49	.01	.01	.00	0.9	63.	31.	3
	Tubular Well, Tap in P. S. #2	0	1	6.5	22	44	.01	.01	.01	2.0	21.	11.	3
Wrentham W. Dept.	G. P. Well #2, Franklin St.	0	1	6.7	14	29	.01	.04	.01	0.6	16.	8.	4
	G. P. Well #3, Franklin St.	0	2	6.6	21	29	.00	.02	.00	0.2	13.	7.	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Ground Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Wrentham	Tap, Municipal Bldg.	0	4	6.5	17	28	.01	.00	.00	0.5	14.	8.	3
Yarmouth	G. P. Well #1, Higgins Croswell Rd.	0	2	6.0	8	16	.05	.00	.00	0.1	38.	19.	2
	G. P. Well #2, Higgins Croswell Rd.	1	5	6.0	8	17	.10	.00	.00	0.2	38.	21.	2
	G. P. Well #3, Higgins Croswell Rd.	0	0	5.9	9	13	.02	.00	.00	0.2	34.	19.	2
	G. P. Well #4, Long Pond Drive	0	0	6.2	7	8	.00	.00	.00	0.4	16.	20.	1
	G. P. Well #5, Long Pond Drive	0	0	6.0	9	12	.01	.01	.00	0.5	15.	11.	2
	G. P. Well #6, No. Main St.	0	7	6.3	10	6	.01	.00	.00	0.1	15.	12.	1
	G. P. Well #7, No. Main St.	0	3	6.2	9	10	.02	.00	.00	0.3	14.	11.	2
	G. P. Well #8, No. Main St.	0	3	6.2	7	8	.04	.00	.00	0.1	12.	10.	2
	Pumping Station	0	2	6.2	12	15	.12	.01	.00	0.5	17.	12.	2
	Tap in Town Hall	0	2	6.5	12	19	.02	.01	.00	0.2	15.	11.	2

Part II

Surface Water Analyses

1971

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Abington	Tap in Abington Abington-Rockland Joint Supply	3	30	6.2	29	75	2.4	.74	.17	1.1	42.	22	2
Abington- Rockland	Great Sandy Bottom Pond	0	13	6.9	13	23	.07	,00	.02	0.1	27.	16	3
Acushnet	New Bedford Water-Tap on System	1	20	7.1	18	15	.37	.00	.06	0.0	15.	13	2
Adams	Bassett Brook Reservoir	0	11	7.7	17	28	.02	.00	.01	0.7	1.5	1	3
Amherst	Atkins Pond at Outlet	0	8	6.8	9	14	.07	.01	.03	0.0	3.5	3	3
	Nourse & Dean Brook above Atkins Pond	0	18	6.5	9	11	.04	.05	.05	0.0	4.0	3	3
	Hills Reservoir at Outlet	0	28	6.2	8	13	.06	.05	.07	0.0	5.0	3	3
	Howley Reservoir at Outlet	1	17	6.1	7	12	.08	.03	.02	0.0	5.7	4	3
	Amethyst Brook-Outlet of Intake Res.	1	28	6.4	9	13	.10	.01	.06	0.1	5.8	3	3
Andover	Haggett's Pond-Tap in P.S. after trt.	0	23	8.2	31	58	.07	.01	.07	0.4	38.	17	2
Ashburnham	Upper Naukeag Lake-Tap in P. S.	0	4	6.9	9	11	.24	.05	.02	0.0	7.5	5	3
Ashfield	Highland Spring Reservoir-Tap	1	32	7.1	35	40	.31	.22	.07	0.0	4.0	2	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Athol	Raw water at Filtration Plant	1	24	6.9	21	31	.34	.09	.07	0.3	24.	12	3
	Final water at Filter Plant	0	9	7.9	36	33	.15	.09	.05	0.4	26.	24	3
	Tap in Town Hall	0	3	6.7	27	44	.13	.36	.11	0.9	24.	11	3
Attleboro	Seven Mile River Inlet to Filter	1	22	6.5	15	43	.14	.01	.09	0.1	42.	19	3
	So. Attleboro - Finished Water	0	6	6.8	30	46	.14	.05	.02	0.4	40.	27	3
	Canal near G. P. Well - W. Mansfield	1	32	6.8	13	35	.21	.01	.05	0.1	40.	19	3
	Tap on System	0	3	6.9	34	46	.11	.02	.02	0.4	37.	27	3
Barre	Reservoir Direct-Allen Hills	1	19	6.5	17	29	.10	.03	.66	0.5	16.	8	3
Billerica	Concord R. opp. P. S.	3	77	6.6	27	43	.55	.07	.33	0.3	38.	24	3
	Raw water - outlet of coag. basin	3	5	6.1	8	45	.06	.05	.20	0.3	48.	27	3
	Tap in P. S. - Final Effluent	0	6	7.5	38	47	.03	.01	.02	0.3	52.	39	3
Blandford	Long Pond - Tap	0	11	7.0	12	18	.04	.00	.04	0.0	2.2	1	3
Braintree	Great Pond - Tap on Low Lift Pump	1	16	6.8	19	41	.08	.03	.05	0.5	49.	30	3
	Great Pond - Finished Water	0	9	7.1	34	43	.02	.03	.01	0.4	51.	37	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Bridgewater, MCI	Taunton River before Filtration	2	87	6.4	12	39	1.0	.07	.29	1.6	29.	24	3
	Taunton River after Filtration	5	77	6.4	13	35	1.3	.09	1.1	0.7	31.	25	3
Brockton	Avon Res. Surface near Gatehouse	0	30	7.0	11	38	.17	.02	.05	0.1	72.	38	3
	Silver Lake at Intake	1	16	6.8	5	25	.25	.37	.05	0.1	20.	9	3
	Tap on System in Brockton	1	13	9.1	18	23	.18	.07	.03	0.1	23.	19	3
	Silver Lake, Finished water at P. S.	0	7	9.4	14	23	.01	.00	.01	0.1	23.	17	3
Brookfield	Cooley Hill Reservoir	2	3	7.0	33	45	.16	.01	.01	0.1	6.3	5	2
Brookline	MDC - Tap on System	0	15	6.6	9	18	.27	.00	.14	0.2	9.3	5	3
Cambridge	Fresh Pond	0	20	6.8	27	65	.05	.05	.12	0.6	49.	25	3
	Fresh Pond at Intake	0	28	7.0	27	66	.06	.01	.12	0.6	50.	25	3
	Filter Plant - Raw Water	2	37	6.9	23	63	.20	.03	.11	0.7	56.	27	3
	Entrance to Filter	1	18	6.9	18	63	.10	.03	.12	0.6	54.	27	3
	Filter Effluent	0	10	7.1	27	63	.04	.01	.03	0.6	57.	33	3
	Stony Brook Res. Surface near Gatehouse	1	48	6.8	22	61	.21	.01	.15	0.6	56.	29	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Cambridge	Upper Hobbs Brook Reservoir	1	37	6.7	13	50	.17	.06	.08	0.3	67.	34	3
	Lower Hobbs Brook Reservoir	1	18	6.9	18	61	.10	.05	.09	0.4	83.	44	3
Cheshire	Kitchen Brook Res. Tap in Town	0	5	7.0	33	45	.02	.00	.00	0.3	2.3	1	3
Chicopee	Tap in City - MDC Supply	0	5	6.7	7	19	.06	.00	.00	0.1	4.5	3	3
Clinton	Wachusett Supply - North Dike P. S.	0	8	6.5	6	14	.05	.00	.01	0.1	8.9	4	4
Cohasset	Tap on System	0	12	6.7	17	65	.11	.06	.04	0.2	37.	22	3
	Lily Pond & Dug Well #4 - Raw	2	60	6.5	14	29	.95	.05	.03	0.1	41.	21	3
	Lily Pond & Dug Well #4 - Finished	0	17	6.9	21	80	.12	.12	.06	0.2	41.	22	3
Colrain	Mountain Brook Reservoir	0	3	6.6	57	80	.11	.00	.02	0.2	9.0	4	1
Concord	Nagog Pond near Gatehouse	0	12	6.5	8	18	.03	.00	.00	0.0	19.	10	1
Dalton	Anthony Brook	1	21	6.7	6	12	.09	.07	.01	0.4	8.5	1	3
	Egypt Brook Upper Reservoir	1	25	6.5	6	15	.16	.07	.01	0.4	1.8	1	3
	Windsor Reservoir	3	48	6.6	20	29	.48	.03	.06	0.4	7.2	3	3
	Raw Water at Entrance to Settling Tank	1	30	6.7	11	24	.21	.05	.05	0.3	5.7	3	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Dalton	Filt. Water at Filter Plant	1	23	6.7	11	20	.11	.05	.04	0.3	3.7	2	3
	Tap in Town	1	20	6.7	14	22	.16	.04	.00	0.3	3.5	2	3
	Reservoir Direct	0	11	6.8	38	47	.03	.00	.01	0.1	2.2	1	3
Danvers	Middleton Pond - Direct	0	73	6.2	8	22	.14	.00	0.8	0.1	11.	7	3
	Swan Pond - Direct	3	48	6.5	11	19	.19	.00	.13	0.2	5.3	4	3
	Emerson Brook - Direct	0	200	6.1	9	34	0.7	.00	.00	0.0	22.	9	2
Danvers State Hos.	Tap in Pump House	1	50	6.7	18	46	.20	.00	.05	0.1	17.	8	3
Dartmouth	Mixed New Bedford&Dartmouth Water at elavated tank	0	7	6.2	18	36	.03	.01	.00	0.4	11.	8	3
	New Bedford Water at Allen St. P. S.	1	26	6.6	18	26	.42	.01	.02	0.2	15.	12	3
	Tap on System	1	20	6.4	17	27	.25	.01	.05	0.5	13.	10	3
Deerfield	Roaring Brook Res. - Tap in Town	1	23	6.9	38	45	.17	.02	.00	0.1	3.0	2	3
Dighton	Tap on System	1	8	6.3	17	38	.13	.01	.02	1.2	20.	11	2
	Taunton Water	0	7	6.5	9	31	.06	.00	.00	0.9	19.	11	3
Egremont	Goodale Brook Res. - Tap in Town	0	2	6.9	23	45	.05	.00	.00	0.1	6.2	2	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Fairhaven	New Bedford Water	1	25	6.8	14	16	.15	.00	.00	0.0	20.	17	1
Fall River	Tap in Water Works Bldg.	2	23	5.9	6	23	.62	.04	.02	0.1	11.	6	3
	North Watuppa Pond - Surface	1	15	6.0	6	22	.08	.01	.02	0.0	10.	7	3
	Noquochoke P. S. Industrial Supply	1	87	5.4	6	21	.30	.04	.11	0.1	14.	7	3
	Tap in City Hall	1	13	5.7	5	32	.22	.04	.02	0.0	13.	6	2
Falmouth	Long Pond - Tap in P. S. after trt.	0	4	6.4	7	12	.03	.00	.02	0.1	12.	7	3
	Tap in Town Hall	0	5	6.6	10	14	.04	.00	.01	0.0	13.	8	3
	Long Pond - Direct	0	7	6.6	9	15	.04	.01	.01	0.0	12.	8	3
Fitchburg	Meeting House Pond at Gatehouse	0	13	7.0	7	13	.10	.01	.04	0.1	8.0	5	3
	Scott Reservoir at Gatehouse	0	10	7.0	5	14	.03	.00	.02	0.1	8.2	5	3
	Wachusett Lake at Gatehouse	1	9	6.9	5	11	.16	.01	.04	0.0	11.	7	3
	Tap at City Hall - L.S.	1	13	6.7	5	13	.23	.01	.02	0.1	8.5	5	3
	Tap at Water Works Shop - H. S.	1	19	6.7	5	17	.46	.00	.02	0.1	9.2	5	3
	Mare Meadow Reservoir	1	28	6.6	5	13	.52	.04	.10	0.1	8.0	4	3
	Fallulah Brook at Shattucks Res.	0	21	6.6	4	13	.14	.02	.02	0.1	7.5	5	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Fitchburg	Lovell Reservoir at Dam	1	14	6.9	5	11	.18	.03	.03	0.1	6.7	5	3
Framingham	MDC Station - Edgell Road	0	8	6.6	5	18	.02	.00	.03	0.1	9.5	6	3
	MDC Station - Grove St.	0	7	6.5	5	18	.02	.00	.01	0.1	8.5	6	3
	MDC Station - Pleasant St.	0	5	6.4	5	18	.03	.00	.01	0.1	9.3	6	3
	MDC Station - Elm St.	0	15	7.0	7	16	.03	.00	.00	0.1	11.	6	1
Gardner	Crystal Lake near P. S.	1	21	6.6	10	21	.22	.02	.01	0.1	21.	11	3
	Perley Brook	2	58	6.4	6	15	.74	.03	.16	0.0	8.7	4	3
Gloucester	Dike's Brook Reservoir	0	19	6.1	4	12	.24	.19	.00	0.0	8.5	6	2
	Haskell Reservoir	2	12	5.9	4	39	.18	.28	.18	0.7	36.	37	3
	Wallace Reservoir	0	23	6.1	8	10	.20	.01	.00	0.0	16.	9	1
	Klondike Quarry	0	5	6.5	8	19	.04	.00	.01	0.1	15.	9	2
	Tap in City	1	20	6.4	5	35	.40	.12	.02	0.0	26.	16	3
	Goose Cove Reservoir	2	65	6.4	6	29	0.8	.03	.02	3.4	15.	9	3
	Babson Reservoir	1	65	6.1	5	30	.39	.01	.13	0.1	20.	14	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Great Barrington	East Mountain Reservoir	1	17	6.9	41	56	.10	.02	.01	0.0	2.2	2	3
	Infiltration Gallery	0	3	7.1	78	93	.00	.01	.00	0.5	6.8	4	3
	Green River opp. Infiltration Gallery	0	10	7.3	71	86	.01	.00	.00	0.5	7.2	4	3
Great Barrington Housatonic W.W.	Long Pond near Gatehouse	1	15	7.5	73	86	.03	.00	.04	0.1	2.3	1	2
	Filt. Water at Filter Plant	0	8	7.5	77	85	.01	.00	.02	0.2	1.8	1	2
Greenfield	Glen Brook - Upper Reservoir	1	18	7.2	35	51	.03	.00	.07	0.4	6.0	3	3
	Filter Plant - Raw Water	1	9	7.0	37	51	.03	.00	.01	0.4	4.2	3	3
	Filter Plant - Settled Water	1	14	7.1	37	53	.05	.00	.00	0.4	5.0	3	3
	Outlet of Filters	0	5	7.1	37	53	.02	.00	.00	0.4	4.8	3	3
	Tap in Town	2	15	7.2	37	49	.18	.00	.00	0.4	6.3	3	3
Hatfield	Running Gutter Brook Reservoir	0	3	6.7	24	41	.02	.00	.01	3.1	5.7	4	3
Haverhill	Millvale Res. - Tap in P. S.	1	73	6.6	23	47	.23	.01	.13	0.1	34.	17	3
	Crystal Lake near Intake	0	24	6.9	15	24	.03	.01	.04	0.1	10.	6	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
HAVERHILL	Kenoza Lake - Tap in P. S.	1	28	6.9	17	39	.04	.00	.04	0.0	23.	12	3
	Johnson's Pond - Tap in P. S.	2	34	7.1	25	39	.05	.01	.21	0.1	14.	7	3
	Gale Hill Reservoir	2	31	7.2	17	36	.08	.00	.00	0.0	22.	14	2
Hingham	Accord Pond - RAW	1	15	7.0	5	16	.15	.12	.00	0.0	42.	22	2
	Accord Pond - Outlet to Fulling Mill	1	42	6.5	15	38	.08	.02	.10	1.3	22.	12	3
	Fulling Mill Pond - Treated	1	11	6.8	32	38	.13	.14	.01	0.5	26.	17	3
Hinsdale	Reservoir from Tap	0	0	6.8	5	9	.04	.10	.01	0.3	1.7	1	3
Holbrook	Randolph-Holbrook Joint Supply-Tap	0	5	6.8	34	57	.05	.01	.01	1.2	44.	31	3
Holden	Muschopauge Lake - Tap on System	0	7	6.7	9	20	.02	.00	.04	0.1	4.8	6	2
Holyoke	Mahon Reservoir - Outlet	0	12	7.4	9	17	.06	.02	.00	0.0	3.7	3	3
	Hugh McLean Res. Surface near Gatehouse	0	8	7.3	12	20	.04	.02	.02	0.1	7.5	3	3
	White Reservoir - Surface near Gatehouse	0	16	7.2	14	26	.03	.08	.08	0.2	3.0	3	3
	Wright & Ashley Ponds	0	12	7.2	17	23	.05	.02	.02	0.0	6.0	3	3
	Whiting St. Res. near Gatehouse	0	9	7.0	36	59	.07	.02	.02	0.0	19.	7	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Hudson	Gates Pond near Gatehouse	0	18	6.7	10	24	.05	.01	.04	0.1	7.8	3	3
	Fesgate Brook	1	158	6.4	10	45	.31	.18	0.5	1.6	9.3	4	2
Ipswich	Dow's Brook Res. near Gatehouse	1	25	7.0	65	86	.12	.01	.00	0.1	24.	11	3
Lawrence	Merrimack River - Intake	2	63	7.1	17	19	.46	.04	.54	0.4	18.	10	2
	Coag & Settled Water as applied to Rapid Sand Filter	1	7	6.6	7	30	.12	.03	.72	0.5	22.	12	3
	Effluent of Rapid Sand Filter	1	5	6.6	9	34	.10	.03	.69	0.4	22.	12	3
	Outlet of Distribution Res.	2	15	6.8	19	44	.35	.03	.48	0.5	21.	12	3
	Tap at Water Dept. Shop	2	15	7.0	20	47	.52	.01	0.5	0.6	20.	12	3
	Tap at Experiment Station	1	13	7.1	20	46	.23	.01	.69	0.5	23.	12	3
Lea	Basin Pond Brook	0	83	7.3	10	17	.28	.00	.00	0.1	1.7	1	3
	Codding Brook - Upper Reservoir	0	11	7.2	22	33	.10	.03	.06	0.0	1.8	2	3
	Codding Brook - Lower Reservoir	0	18	7.2	13	23	.16	.07	.07	0.2	2.7	2	3
Leicester	Henshaw Pohd - Direct	0	35	6.8	16	34	.10	.00	.06	0.1	39.	20	3
	Filtered Water - Tap in P. S.	0	27	6.7	16	51	.06	.00	.04	0.2	38.	20	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Lenox	Lower Root Res. near Gatehouse	0	13	7.0	56	65	.03	.03	.04	0.1	2.7	1	3
	Woolsey Res. near Gatehouse	0	12	7.1	46	59	.04	.01	.02	0.1	2.0	1	3
Leominster	Fall Brook Reservoir - Surface	0	11	6.9	5	11	.11	.05	.07	0.2	4.8	3	3
	Simonds Pond - Raw water	0	20	6.3	6	9	.19	.03	.13	0.1	12.	6	3
	Simonds Pond - Final Effluent	0	15	7.3	14	19	.14	.02	.08	0.1	13.	10	3
	District Reservoir near Gatehouse	0	9	7.0	4	8	.08	.00	.03	0.0	8.0	4	3
Lincoln	Sandy Pond near Gatehouse	1	7	6.4	7	15	.06	.07	.07	0.1	12.	4	3
Lowell	Raw water - Merrimack River	2	38	7.1	14	20	.41	.03	0.8	0.3	17.	11	3
	Outlet of Settling Tank before Filt.	1	7	6.7	7	19	0.4	.04	.48	0.4	21.	17	3
	Filter Effluent	0	4	6.9	14	21	.07	.03	0.5	0.4	21.	21	3
	Tap in City - 6th St. Meter Shop	0	14	7.0	18	20	.08	.03	.53	0.4	22.	24	3
Ludlow	Tap in Town	1	18	7.1	12	22	.15	.00	.01	0.1	9.5	6	2
Lynn	Birch Pond near Gatehouse	1	27	7.2	15	40	.12	.04	.08	0.2	38.	20	3
	Breed's Pond near Gatehouse	1	44	7.2	22	44	.18	.07	.08	0.2	44.	24	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Lynn	Hawkes Pond near Gatehouse	1	70	7.2	52	74	.22	.01	.00	0.2	60.	32	3
	Walden Pond near Gatehouse	1	53	7.2	23	45	.17	.01	.08	0.1	40.	20	3
	Saugus River at Intake to Lynn W.W.	1	82	7.0	61	87	.32	.11	.16	0.1	66.	30	3
	Ipswich River at Intake	2	53	7.0	20	39	.91	.06	.15	0.3	47.	25	3
	Tap in City	1	33	6.9	24	57	.35	.04	.00	0.2	56.	30	3
Manchester	Gravel Pond - Surface	0	25	7.0	18	25	.09	.02	.01	0.0	17.	9	2
	Gravel Pond - Treated	1	11	6.8	12	31	.16	.02	.01	0.0	17.	10	3
Marlboro	Millham Brook Reservoir	1	30	6.9	13	57	.17	.03	.10	0.5	80.	32	3
	Lake Williams near P. S.	1	20	6.9	12	59	.05	.01	.08	0.3	108.	56	2
	MDC Supply	0	19	7.0	9	17	.03	.00	.03	0.2	9.3	6	2
Maynard	White Pond near Gatehouse	1	5	7.2	18	16	.07	.02	0.6	0.0	11.	7	3
Methuen	Tap in Town-Lawrence Supply	1	9	6.9	19	47	.18	.10	.19	0.6	27.	15	3
MDC - Clinton	Ent. to Aqueduct in Power House	0	5	7.1	9	10	.03	.00	.01	0.0	9.0	5	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
MDC-Clinton	Quinapoxet River above Dam in Oakdale	1	80	6.8	11	18	.25	.00	.00	0.2	18.	11	1
	Stillwater R. just above High Water Mark of Reservoir	0	40	6.7	12	14	.21	.00	.01	0.3	11.	6	1
	Gates Brook just above Reservoir	1	65	6.8	41	76	.19	.00	.01	1.3	72.	31	1
	Wachusett Res. Outside of Intake Works	0	0	7.0	8	12	.03	.00	.00	0.0	9.0	1	5
MDC-Belchertown	Quabbin Res. In or near Intake Tunnel	0	0	6.4	3	14	.04	.00	.02	0.1	35.	2.5	1
	Ware River at Shaft	0	40	6.2	4	18	.22	.00	.25	0.2	21.	6	1
MDC-Framingham	Framingham Res.#3 near Gatehouse	0	25	7.1	17	41	.06	.01	.06	0.2	50.	28	3
	Sudbury Res. near Gatehouse	2	23	7.1	17	38	.05	.00	.10	0.1	38.	19	2
	Walkers Brook Effluent-Sudbury	0	21	6.8	19	60	.02	.02	.06	0.9	171.	94	2
	Terminal Chamber-Gatehouse#2 Chestnut Hill	0	16	6.9	11	29	.04	.01	.10	0.2	26.	12	3
	Norumbega Res. at Outlet	0	12	7.0	8	15	.02	.00	.01	0.1	11.	5	3
	Weston Reservoir at Gatehouse	0	12	7.0	9	14	.03	.00	.03	0.2	11.	5	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
MDC -Revere	Tap in City	2	17	6.8	10	22	.38	.01	.07	0.3	8.5	5	3
MDC -Boston	Tap at 600 Washington St.	0	5	6.3	5	18	.03	.00	.40	0.2	8.0	4	1
MDC -Newton	Tap on System	0	8	6.8	7	15	.03	.00	.14	0.2	10.	5	3
MDC -Stoneham	Spot Pond from Gatehouse	0	10	6.6	6	19	.05	.00	.05	0.2	13.	7	3
Milford	Charles River - Inlet to Filters	0	41	6.7	9	23	.25	.03	.21	0.2	20.	6	3
Monroe	Raw water at Filter Plant	0	9	6.8	14	17	.06	.00	.01	0.1	3.5	2	3
	Filtered Water at Filter Plant	0	27	6.8	13	.17	.08	.00	.01	0.1	4.5	2	3
Monson	Conant Pond	1	60	6.6	9	18	.52	.05	.09	.37	7.7	3	3
Montague	Lake Pleasant - Direct	0	9	6.7	5	14	.08	.00	.09	0.1	4.5	3	3
Needham	MDC - Tap in P. S.	0	11	6.9	8	18	.04	.00	.17	0.2	11.	9	3
New Bedford	Little Quitticas Pond at Intake	0	21	6.6	6	13	.10	.01	0.4	0.0	11.	7	3
	Great Quitticas Pond-Inlet to Little Quitticas	0	17	6.8	7	12	.07	.01	0.5	0.1	14.	7	3
	High Hill Reservoir at Outlet	1	25	6.7	8	16	.12	.04	.01	0.0	16.	16	1

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
New Bedford	Long Pond - Upper End	0	60	6.7	8	16	.19	.02	.01	0.0	16.	9	1
	Tap in P. S.	1	25	6.8	16	18	.17	.02	.00	0.0	17.	15	1
	Tap in City Hall	1	18	6.8	17	18	.16	.01	.10	0.0	18.	15	3
Newburyport	Artichoke River-Intake at Upper Dam	1	45	6.8	26	37	.38	.09	.18	0.1	19.	10	3
	Mixed Raw Water applied to filter	1	47	6.8	25	36	.69	.09	.02	0.1	19.	10	3
	Tap in Main P.S. - Final Water	2	25	6.7	26	54	.39	.04	.12	0.6	26.	13	3
	Tap in City Hall	1	24	6.7	27	51	.45	.03	.11	0.6	34.	13	3
North Adams	Broad Brook above Intake	0	11	7.1	17	24	.01	.00	.01	0.2	2.3	1	3
	James Brook	0	9	7.2	52	56	.01	.00	.01	0.0	2.0	1	3
	Mt. Williams Reservoir	0	10	7.0	51	68	.02	.00	.01	0.3	2.0	1	3
	Notch Brook	0	14	7.4	56	68	.05	.00	.04	.03	1.3	1	2
North Andover	Great Pond-P.S. after Treatment	0	15	7.1	15	35	.03	.01	.04	0.1	23.	11	3
Northampton	Middle Res.-Roberts Meadow Brook	1	37	6.8	19	23	.23	.02	.07	0.1	6.7	3	3
	Mountain St. Reservoir	0	16	6.9	21	28	.07	.00	.03	0.1	3.5	2	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
North Attleboro	Brook above Fuller Pond	1	15	6.7	19	42	.11	.04	.03	0.8	27.	20	2
Northboro	Final Effluent of Filters	0	0	6.3	15	36	.01	.04	.00	0.0	20.	6	1
North Brookfield	North Pond near Gatehouse	0	25	6.7	9	21	.34	.01	.14	0.1	6.3	4	3
	Doane Pond near Gatehouse	0	25	6.4	5	22	.22	.02	.20	0.3	19.	8	1
Northfield	Upper Res. on Louisana Brook	0	8	6.8	13	18	.06	.00	.01	0.0	1.2	1	3
	Northfield Seminary Tap	0	7	6.8	18	.20	.09	.00	.02	0.0	1.8	2	3
Orange	Coolidge Brook Reservoir	0	43	6.5	9	18	.09	.00	.06	0.3	5.5	2	2
Palmer	Hamilton Reservoir	0	5	7.1	19	29	.08	.01	.02	0.2	21.	9	3
	Graves Brook - Upper Reservoir	0	16	7.1	10	16	.25	.00	.03	0.0	6.8	3	3
	Graves Brook - Lower Reservoir	0	12	7.0	12	14	.31	.00	.04	0.0	5.0	3	3
Paxton	Asnebumskit Pond	0	15	6.5	15	22	.08	.01	.03	.05	29.	14	2
	Spring Basin	0	7	6.3	11	31	.06	.01	.04	1.0	36.	15	2
Peabody	Spring Pond near Gatehouse	0	26	6.9	23	80	.06	.00	.06	0.4	67.	31	3
	Suntaug Lake	8	35	6.8	15	29	.10	.00	.04	0.2	27.	15	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Pittsfield	Cleveland Reservoir - New Intake	1	33	6.5	.23	35	.21	.12	.02	0.2	4.3	4	3
	Farnham Reservoir - New Intake	0	53	6.4	8	28	.28	.10	.04	0.2	3.3	2	2
	Ashley Reservoir - New Intake	0	25	6.6	32	39	.06	.00	.01	0.2	2.0	1	2
	Ashley Lake near Outlet	0	11	6.8	21	28	.06	.00	.00	0.2	2.3	1	2
	Upper Sackett Reservoir	1	20	7.0	35	49	.09	.00	.00	0.1	3.3	2	2
	Tap in City Hall	0	17	6.8	14	26	.24	.02	.01	0.2	5.0	2	2
Plymouth	Great South Pond near Outlet	0	2	7.0	5	10	.02	.00	.01	0.0	7.3	6	3
	Little South Pond near Outlet	0	2	7.0	4	11	.03	.00	.01	0.1	8.0	6	3
Quincy	MDC - Tap on System	0	13	6.7	9	28	.19	.00	.04	0.3	14.	8	3
Randolph	Great Pond - Raw water	1	13	6.9	17	45	.12	.17	.06	0.3	53.	32	3
	Great Pond - Finished water	0	12	7.1	28	41	.07	.06	.03	0.3	54.	39	3
Rockland	Abington Rockland Joint Supply	1	9	6.7	17	36	.44	.01	.04	0.2	53.	31	3
Rockport	Upper Carlson's Quarry	0	5	7.1	7	16	.09	.01	.00	0.2	19.	10	3
	Cape Pond - Raw water	2	88	6.4	8	16	1.8	.53	.01	0.2	38.	19	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Rockport	Final Effluent at Filter Plant	1	5	6.5	31	58	.07	.82	.00	0.0	56.	28	1
Russell	Black Brook Reservoir before filtration	2	25	6.8	19	21	.22	.01	.00	0.0	3.8	2	2
	Black Brook Reservoir after filtration	1	14	6.9	18	17	.06	.01	.00	0.1	2.2	2	3
Rutland	Muschopauge Lake near P. S.	0	8	7.1	10	15	.04	.01	.01	0.0	6.8	4	2
Salem	Putnamville Reservoir	1	47	6.7	12	36	.34	.14	.10	0.2	28.	14	3
	Longham Res. at Entr. to Wenham Lake	2	87	6.6	21	33	1.2	.04	.02	0.2	28.	16	3
	Wenham Lake Filt.Plant-Raw	0	30	6.7	21	46	.11	.11	.02	0.3	42.	19	3
	Outlet of Coag. Basin	1	25	6.9	26	58	.15	.13	.00	0.3	43.	20	3
	Final Effluent-Tap in Salem Filt.Plant	0	16	6.9	24	56	.08	.10	.00	0.3	45.	20	3
Scituate	Old Oaken Bucket Pond - Raw	2	210	6.9	15	26	1.5	.14	.00	0.1	44.	25	2
	Old Oaken Bucket Pond - Finished	0	6	6.7	8	27	.06	.13	.00	0.1	43.	39	3
	Tap in Town Hall	0	3	6.5	25	51	.04	.00	.00	0.9	45.	29	3
Shelburne	Fox Brook Intake Res. Direct	0	13	7.1	36	41	.03	.00	.00	0.1	2.2	2	3
Somerset	Treatment Plant - Raw Water	1	27	6.6	9	24	.21	.05	.09	0.1	6.2	5	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 1971

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Somerset	Treatment Plant - Settled water	2	5	6.1	6	22	.10	.05	.04	0.1	9.3	11	3
	Treatment Plant - Finished water	0	1	6.5	12	22	.02	.03	.04	0.1	10.	16	3
	Fire Station - Country St.	0	2	6.7	15	25	.06	.01	.04	0.2	10.	16	3
Southboro	New Station -MDC Aqueduct	0	8	7.7	7	18	.03	.00	.01	0.1	13.	5	3
Southbridge	Hatchet Brook Reservoir #3	1	24	6.8	5	14	.08	.00	.07	0.0	3.0	2	3
	Hatchet Brook Reservoir #4	1	17	6.6	4	15	.14	.00	.05	0.1	3.8	2	3
	Hatchet Brook Reservoir #5 - Direct	0	15	6.5	4	11	.20	.05	.04	0.0	2.7	2	3
	Cohasse Brook Reservoir	1	68	6.4	9	16	0.9	.23	.10	0.1	8.3	3	3
South Hadley	Leaping Well Reservoir near Gatehouse	0	15	6.9	19	28	.10	.01	.03	0.3	12.	6	2
	Elmer Brook-Entrance to Filters	0	18	6.8	28	39	.09	.00	.00	0.0	3.5	2	2
	Elmer Brook - Filtered	0	10	6.8	24	38	.04	.00	.00	1.5	6.5	7	1
Spencer	Shaw Pond - Tap in Town House	0	14	7.1	7	15	.31	.01	.02	0.0	5.2	2	3
Springfield	Cobble Mt. Res. Surface at Dam	0	18	6.5	10	21	.12	.02	.02	0.2	11.	8	3
	West Parish Filters-Inlet to Set.Basin	0	20	6.8	10	17	.18	.03	.00	0.1	14.	8	3

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Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Springfield	West Parish Filters-Final Effluent	0	8	6.7	9	16	.05	.00	.00	0.1	14.	8	3
	Ludlow Res. - Before Filtration	0	18	6.7	11	21	.09	.01	.01	0.1	12.	7	3
	Ludlow Res. After Filtration	0	5	6.7	8	23	.07	.00	.00	0.1	14.	7	3
Stockbridge	Lake Averic near P. S.	0	23	7.0	54	57	.13	.04	.00	0.1	2.7	1	3
Stoughton	Collecting Gallery- Tap in Muddy Pond P.S.	0	12	6.5	23	37	.25	.01	.00	2.6	21.	14	3
	Tap in Town Hall	1	13	6.5	22	39	.37	.01	.00	2.2	20.	10	3
Stow	Tap at Juniper Hill Water Co.	1	8	6.9	26	14	.19	.00	.00	0.1	15.	6	3
Sunderland	Saw Mill Brook Res. - Direct	0	11	7,3	55	56	.03	.01	.00	0.0	3.3	3	3
	Tap in Town - Filtered Water	0	0	7.3	51	55	.00	.00	.00	0.1	2.7	3	3
Swampscott	MDC - Tap in Town	0	9	6.8	8	19	.06	.00	.00	0.1	13.	6	3
Swansea	Coles R. Brook - Upstream of Midwood	0	177	6.6	14	29	.71	.02	.01	0.1	11.	7	3
Taunton	Assawompsett Pond near Gatehouse	0	15	6.9	8	12	.06	.01	.02	0.0	16.	8	3
	Elder's Pond near Gatehouse	0	9	6.9	7	13	.06	.03	.01	0.0	15.	8	3
	Long Pond at Entr. to Assawompsett	0	30	6.5	7	14	.19	.03	.00	0.0	17.	9	3

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Cont'd.													
Taunton	Filter Basin	0	13	6.4	8	18	.08	.04	.08	0.5	18.	9	3
	Prospect Hill Distribution Res.	0	12	6.1	6	15	.18	.07	.03	0.0	19.	8	3
	Tap at City Hall	0	9	6.0	6	14	.13	.13	.00	0.0	16.	8	3
	Taunton Supply - Tap in Hospital	1	11	5.9	7	20	.50	.04	.01	0.0	18.	9	2
Wakefield	Crystal Lake - Raw water	1	18	6.5	24	41	.09	.00	.05	0.1	39.	20	3
	Final Effluent of Sand Filter	0	13	6.5	30	53	.13	.01	.02	0.3	54.	23	3
	Tap in Public Works Bldg.	0	10	6.6	9	16	.20	.00	.02	0.2	13.	6	3
Wareham	Sand Pond - Tap in P. S.	0	4	7.1	6	10	.03	.00	.01	0.4	9.0	6	3
	Tap in District Office	0	5	6.7	5	13	.08	.00	.00	0.4	8.2	9	3
Westborough	Sandra Pond - Tap	0	8	6.6	7	30	.11	.04	.04	0.2	89.	47	3
Westfield	Montgomery Res. near Gatehouse	0	43	6.7	6	10	.09	.01	.01	0.0	6.5	4	2
	Granville Res. - Surface at Dam	0	10	6.6	7	10	.05	.00	.01	0.0	5.0	4	2
	Tekoa Reservoir near Gatehouse	0	45	7.0	7	14	.11	.00	.01	0.1	5.3	4	2

Analysis of the Water of Public Water Supplies

Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Westminster	Meetinghouse Pond - Tap in Town	0	12	6.8	5	12	.11	.00	.04	0.1	12.	6	1
Weston	MDC at Wellesley	0	7	7.0	11	19	.03	.00	.00	0.1	8.7	5	3
	Tap in Town Hall	0	4	6.8	18	50	.07	.00	.00	0.2	48.	22	3
West Springfield	Bear Hole Brook Res. - Raw Water	0	18	7.1	45	67	.07	.15	.00	0.0	27.	7	3
	Bear Hole Brook Res. - Filtered Water	0	14	7.3	48	69	.01	.01	.00	0.1	27.	11	3
West Stockbridge	East Mt. Reservoir - Direct	0	14	6.8	20	31	.01	.00	.00	0.0	1.3	2	3
Weymouth	Great Pond - Raw Tap on Low Lift Pump	2	85	6.8	7	23	3.3	.32	.04	0.2	21.	13	3
	Treatment Plant - Ent. to Filters	0	22	6.6	6	32	.09	.27	.30	0.2	21.	13	3
	Treatment Plant - Finished Water	0	8	6.8	10	36	.02	.13	.04	0.2	21.	14	3
	Tap on System	0	9	7.0	55	49	.02	.02	.13	0.2	23.	15	3
Whitman	Brockton Supply - Tap on System	0	6	9.1	16	21	.09	.00	.00	0.1	21.	13	3
Williamsbury	Unquemonk Brook - Tap on Town	1	8	7.0	17	23	.12	.00	.02	0.6	2.8	3	2
Williamstown	Paul Brook	0	4	7.6	32	36	.00	.00	.00	0.6	1.3	1	3
	Rattlesnake Brook Reservoir	0	8	7.6	84	81	.00	.00	.00	0.1	1.2	1	3

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Averages of Chemical Analyses of Surface Water Sources for Year 19 71

City or Town	Source	Turbidity	Color	pH	Milligrams per Liter								No. of Samples
					Alkalinity	Hardness	Iron	Manganese	Ammonia N	Nitrate N	Chlorides	Sodium	
Winchedon	Upper Naukeag Lake	1	9	6.5	7	13	.43	.04	.00	0.0	6.8	3	2
Winchester	North Reservoir	0	15	6.8	7	23	.08	.00	.02	0.0	10.	4	3
	Middle Reservoir	0	10	6.9	7	18	.09	.00	.00	0.0	12.	6	3
	South Reservoir near Gatehouse	0	8	6.7	9	19	.10	.01	.01	0.3	6.7	4	3
	MDC - High Service	0	10	10.1	44	18	.06	.00	.11	0.2	7.0	22	3
Woburn	Horn Pond near P. S.	5	28	7.3	38	86	.07	.02	.03	0.1	180.	62	2
Worcester	Holden Reservoir - Lower	0	11	7.1	6	12	.10	.01	.02	0.1	6.5	4	3
	Kendall Reservoir	0	17	7.1	7	17	.15	.01	.03	0.2	5.5	5	3
	Pine Hill Reservoir	0	17	7.2	8	17	.09	.00	.03	0.3	7.5	5	3
	Quinapoxet Reservoir	0	42	7.0	8	15	.31	.02	.03	0.2	6.7	5	3
	Coal Mine Brook	0	23	7.1	45	88	.12	07	.01	0.9	72.	16	3

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